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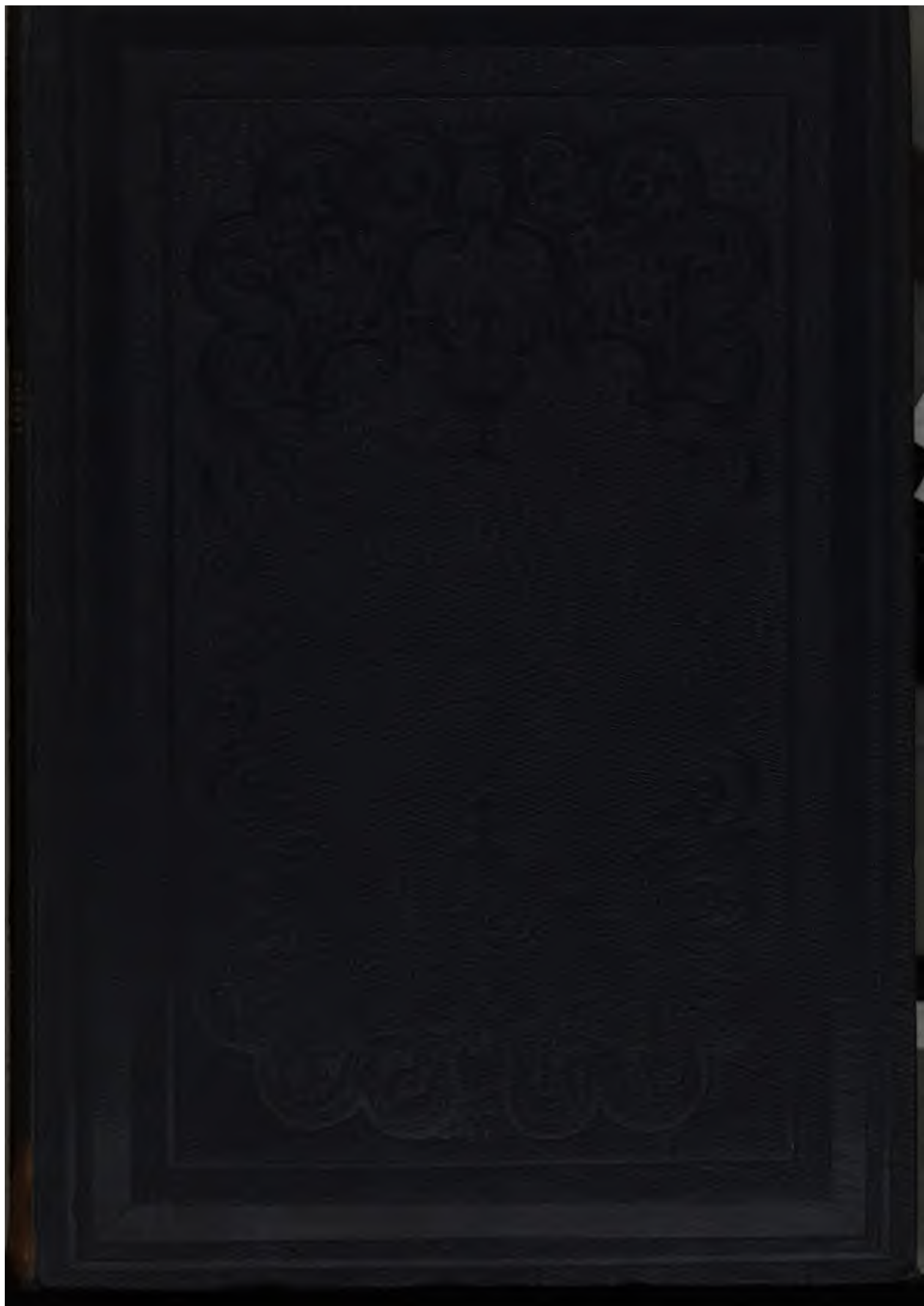
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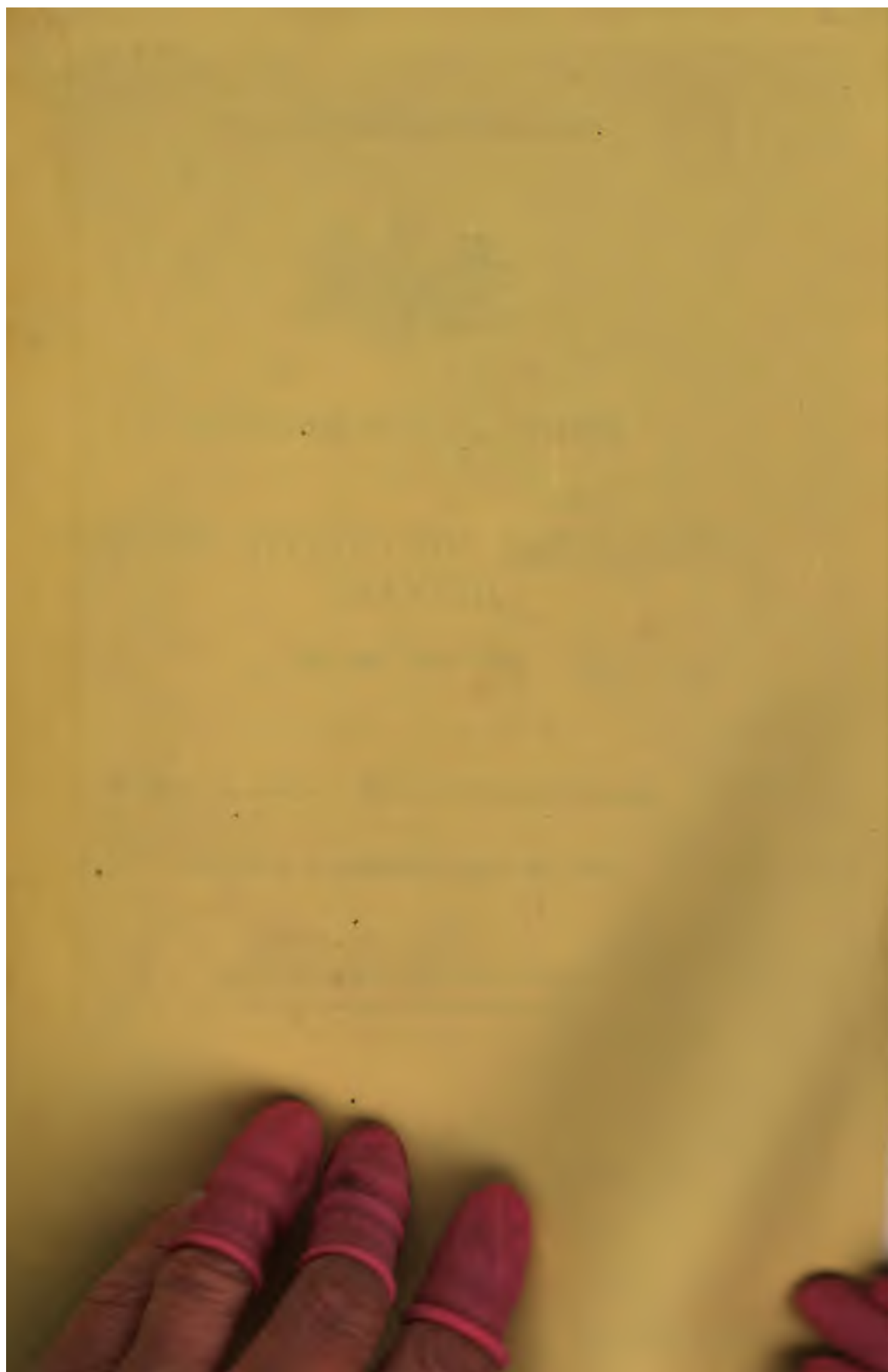
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15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.



CHRONOLOGICAL INDEX
OF
PATENTS APPLIED FOR AND PATENTS
GRANTED,
For the Year 1862.

Printed and Published by Order of the Commissioners of Patents,

UNDER THE

ACT of 15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.

BY BENNET WOODCROFT,

SUPERINTENDENT OF SPECIFICATIONS, INDEXES, &c.



LONDON:

PRINTED BY GEORGE EDWARD EYRE AND WILLIAM SPOTTISWOODE,
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SOUTHAMPTON BUILDINGS, HOLBORN.

1863.

CHRONOLOGICAL INDEX

OF

PATENTS APPLIED FOR AND PATENTS GRANTED, FOR THE YEAR 1862.

ROWAN. 1st January, 1862.	1. JOHN MARTIN ROWAN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in the manufacture of railway wheels and in apparatus to be used therein." <i>Provisional protection only.</i>
SZERELMEY. 1st January 1862	2. NICHOLAS CHARLES SZERELMEY, of No. 6, Park Terrace, Brixton, in the County of Surrey, Gentleman, for an invention for—"Improvements in the manufacture of leather cloth or imitation leather, and in rendering certain fabrics waterproof." <i>Letters Patent sealed.</i>
JOHNSON. 1st January 1862.	3. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain Gentleman, for an invention for—"Improvements in hose pipe joints or couplings."— <i>A communication to him from abroad by Thomas Braisted, of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
HALL. 1st January 1862.	4. THOMAS HALL, of Odiham Wharf, Odiham, in the County of Hants, for an invention for—"An improved apparatus for removing weeds from canals, rivers and lakes, after such weeds have been cut with a chain scythe or other machine or implement applicable to that purpose." <i>Provisional protection only.</i>
WALKER. 1st January 1862.	5. JOHN WALKER, of 25, City Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of forts and fortifications, which are applicable to floating batteries." <i>Letters Patent sealed.</i>
CLARKE. 1st January 1862.	6. THOMAS CHARLES CLARKE, of Liverpool, in the County of Lancaster, Civil Engineer, for an invention for—"Improvements in the construction of apparatus for eating and circulating water and other liquids." <i>Letters Patent sealed.</i>
BRADBURY. 1st January 1862.	7. JOHN BRADBURY, of Pendleton, near Manchester, in the County of Lancaster, Mechanic, for an invention for—"Improvements in self-acting mules." <i>Provisional protection only.</i>
BROOMAN. 1st January 1862.	8. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in shears or scissors chiefly applicable to be employed in the manufacture of lace."— <i>A communication to him from abroad by Pierre Joseph Henninot and André Carpentier, both of Caudry, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 1st January 1862.	9. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in supporting and propelling vessels."— <i>A communication to him from abroad by Auguste Salzmann, of Paris, France.</i> <i>Provisional protection only.</i>
BUSH. 1st January 1862.	10. WILLIAM BUSH, of Tower Hill, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in omnibuses and other carriages." <i>Provisional protection only.</i>

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| <p>RHODES.
1st January 1862.</p> <p>BANFIELD.
1st January 1862.</p> <p>PATRICK.
1st January 1862.</p> <p>DAVIS.
1st January 1862.</p> <p>HOWARD.
BOUSFIELD.
1st January 1862.</p> <p>NEWTON.
1st January 1862.</p> <p>GUTKNECHT.
1st January 1862.</p> <p>GEDGE.
2nd January 1862.</p> <p>AIRIAU.
2nd January 1862.</p> <p>FELL.
2nd January 1862.</p> <p>CARTWRIGHT.
2nd January 1862.</p> <p>JEFFRIES.
2nd January 1862.</p> <p>ESCHWEGE.
2nd January 1862.</p> <p>NUGENT.
3rd January 1862.</p> <p>STRACEY.
3rd January 1862.</p> <p>BELLOCHE.
BOLLACK.
3rd January 1862.</p> | <p>11. BENJAMIN RHODES, of Old Ford, Bow, for an invention for—"Improvements in forming or making straight and bent pipes, and bends for pipes, and also vessels of various shapes, and in coating and protecting objects and articles of various forms and in the apparatus to be employed therein." <i>Letters Patent sealed.</i></p> <p>12. EDWARD BANFIELD, of Ilfracombe, Devon, for an invention for—"Improvements in lubricating and maintaining in working order axle journals and brasses, applicable also to other journals and bearings." <i>Provisional protection only.</i></p> <p>13. WILLIAM BARKER PATRICK, of Highgate, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of sugar and in the apparatus employed therein." <i>Letters Patent sealed.</i></p> <p>14. EDMUND FRANCIS DAVIS, of Tavistock House, Tavistock Square, in the County of Middlesex, for an invention for—"Improvements in gas-burners." <i>Letters Patent sealed.</i></p> <p>15. JAMES HOWARD, Agricultural Engineer, and EDWARD TENNEY BOUSFIELD, Engineer, both of Bedford, for an invention for—"Improved apparatus applicable to steam cultivation." <i>Letters Patent sealed.</i></p> <p>16. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in coffee pots and boilers for culinary purposes, part of which improvements are also applicable for generating steam."—<i>A communication to him from abroad by Edward Fielding Woodward, of Brooklyn, King's County, State of New York, United States of America.</i> <i>Provisional protection only.</i></p> <p>17. JOHN JACOB GUTKNECHT, of Neuuhof, near Fizers, Switzerland, Engineer, for an invention for—"Improvements in meters for measuring gas, water and other fluids." <i>Letters Patent sealed.</i></p> <p>18. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved apparatus for roasting coffee."—<i>A communication to him from abroad by Jean Louis Rivret-Justin, of 15, Passage des Petites Ecuries, Paris, France, Merchant.</i> <i>Provisional protection only.</i></p> <p>19. ATHANASE MATHURIN PIERRE AIRIAU, of Paris, Rue St. Dominique, St. Germain, No. 8, (in the Empire of France,) for an invention for—"A new musical instrument." <i>Provisional protection only.</i></p> <p>20. WILLIAM ATKINSON FELL, of Troutbeck Bridge, Windermere, in the County of Westmoreland, Machine Maker, for an invention for—"Improvements in the manufacture of bobbins and in the means or apparatus employed therein." <i>Letters Patent sealed.</i></p> <p>21. MATTHEW CARTWRIGHT, of Carlisle, in the County of Cumberland, Dentist, for an invention for—"Improvements in the manufacture of models and of 'plates' or 'pieces' for artificial teeth." <i>Provisional protection only.</i></p> <p>22. GEORGE JEFFRIES, of Golden Ball Street, Norwich, Gun Maker, for an invention for—"Improvements in breechloading fire-arms." <i>Letters Patent sealed.</i></p> <p>23. HERMANN ESCHWEGE, of 14, Mincing Lane, in the City of London, for an invention for—"Improvements in treating wood and other vegetable spirit." <i>Letters Patent sealed.</i></p> <p>24. EDWARD NUGENT, of Brooklyn, in the County of King's, and State of New York, United States of America, for an invention for—"Improvements in fire arms." <i>Letters Patent sealed.</i></p> <p>25. GILBERT STRACEY, of Rackheath Hall, near Norwich, in the County of Norfolk, for an invention for—"Improvements in the manufacture of artificial fuel." <i>Letters Patent sealed; no specification filed.</i></p> <p>26. FRANÇOIS SÉBASTIEN BELLOCHE, and HERMAN BOLLACK, of the firm of Bollack, Brothers, of 333, Rue St. Martin, Paris, in the Empire of France, and of 42, Bridge Street, Blackfriars, London, for an invention for—"An improved parasol." <i>Letters Patent sealed.</i></p> |
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GEDGE. 3rd January 1862.	27. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for dressing, cleaning or sifting grain."— <i>A communication to him from abroad by Louis Appolinaire Haton, of No. 15, Passage des Petites Ecuries, Paris, in the Empire of France, Merchant.</i> Letters Patent sealed.
ARUNDELL. 4th January 1862.	28. JAMES WHITTON ARUNDELL, of No. 265, Gresham House, Old Broad Street, in the City of London, Gentleman, for an invention for—"An improved method and improved apparatus for treating and dressing ores and minerals, particularly applicable to tin, lead, copper, zinc and iron ores."— <i>A communication to him from abroad by Mr. Martin Neuerburg, residing at Kalk, Rhenish Prussia.</i> Letters Patent sealed.
ARUNDELL. 4th January 1862.	29. JAMES WHITTON ARUNDELL, of No. 265, Gresham House, Old Broad Street, in the City of London, Gentleman, for an invention for—"An improved method of and improved apparatus for removing impurities from coal, parts of which invention are applicable for the separation and cleansing of ores and other minerals."— <i>A communication to him from abroad by Mr. Martin Neuerburg, residing at Kalk, Rhenish Prussia.</i> Provisional protection only.
ARUNDELL. 4th January 1862.	30. JAMES WHITTON ARUNDELL, of No. 265, Gresham House, Old Broad Street, in the City of London, Gentleman, for an invention for—"An improved method and apparatus for communicating motion to fan ventilators, particularly applicable to ventilating mines."— <i>A communication to him from abroad by Mr. Martin Neuerburg, residing at Kalk, Rhenish Prussia.</i> Provisional protection only.
CROSS. PADMORE. 4th January 1862.	31. CHRISTOPHER CROSS, of Stretford, near Manchester, and EDWARD PADMORE, of the city of Manchester, in the County of Lancaster, for an invention for—"Improvements in the manufacture of piled fabrics and in machinery or apparatus employed therein." Provisional protection only.
COTTER. 4th January 1862.	32. RICHARD HENRY COTTER, of Cambridge Heath, in the County of Middlesex, for an invention for—"An improved apparatus for instantaneously lighting certain lamps, and when desired extinguishing the same." Provisional protection only.
LEYSHON. BECKLEY. 4th January 1862.	33. GEORGE LEYSHON, of Tividale, in the county of Stafford, Tin Plate Assorter, and DAVID BECKLEY, of Brockmoor, in the County of Stafford, Grocer, for an invention for—"An improvement or improvements in breaks for retarding and stopping carriages on railways." Provisional protection only.
HOWDEN. 4th January 1862.	34. JAMES HOWDEN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in steam-engines and boilers." Letters Patent sealed.
POCHIN. 4th January 1862.	35. HENRY DAVIS POCHIN, of Salford, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of rosin soap or size." Letters Patent sealed.
BOUSFIELD. 4th January 1862.	36. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Certain new and useful improvements in machinery for propelling water craft."— <i>A communication to him from abroad by Edward Sabine Renwick, a person resident at 335, Broadway, New York, in the United States of America.</i> Complete specification; Letters Patent sealed.
WARNER. 4th January 1862.	37. ARTHUR WARNER, of No. 31, Threadneedle Street, in the City of London, Merchant, for an invention for—"Improvements in preparing materials for and in purifying coal gas." Letters Patent sealed; no specification filed.
CORYTON. 6th January 1862.	38. JOHN CORYTON, of Rolls Chambers, 89, Chancery Lane, W.C., Barrister-at-Law, for an invention for—"An improved type machine." Letters Patent sealed; no specification filed.
NEWTON. 6th January 1862.	39. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved manufacture of cigars."— <i>A communication to him from abroad by William Chevers Kneeland, of New York, in the United States of America.</i> Letters Patent sealed.
BETJEMANN. BETJEMANN. BETJEMANN. 6th January 1862.	40. GEORGE BETJEMANN, GEORGE WILLIAM BETJEMANN, and JOHN BETJEMANN, of Pentonville, in the County of Middlesex, Desk and Dressing Case Manufacturers, for an invention for—"Improvements in dressing cases applicable to other cases and boxes." Letters Patent sealed.

O'NEILL. 6th January 1862.	41. PATRICK BENIGNUS O'NEILL, of Hart Street, Bloomsbury, in the County of Middlesex, for an invention for—"Improvements in screw wrenches or spanners." <i>Provisional protection only.</i>
KITE. 6th January 1862.	42. WILLIAM THOMAS KITE, of Mongewell Mill, Wallingford, in the County of Berks, for an invention for—"Improvements in the manufacture of starch and in apparatus employed therein." <i>Provisional protection only.</i>
BROWN. 6th January 1862.	43. FREDERICK BROWN, of the firm of Brown and Green, Ironfounders and Ironmongers, of Luton, in the County of Bedford, for an invention for—"Improvements in kitchen ranges and cooking apparatus." <i>Letters Patent sealed.</i>
SHAW. 7th January 1862.	44. FREDERICK SHAW, Book-keeper, of Sheffield, in the County of York, for an invention for—"Improvements in apparatus for stopping railway trains." <i>Letters Patent sealed.</i>
HIGGINS. WHITWORTH. 7th January 1862.	45. JAMES HIGGINS, of Salford, in the County of Lancaster, Machine Maker, and THOMAS SCHOFIELD WHITWORTH, of the same place, Manager, for an invention for—"Improvements in machinery or apparatus for spinning and doubling cotton and other fibrous materials." <i>Letters Patent sealed.</i>
TATHAM. 7th January 1862.	46. JOHN TATHAM, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for preparing, spinning, doubling and winding cotton and other fibrous materials." <i>Letters Patent sealed.</i>
FOSTER.* 7th January 1862.	47. BENJAMIN FOSTER, of Denholme Mills, in the County of York, Manufacturer, for an invention for—"Improvements in machinery or apparatus for spinning and doubling wool and other fibrous materials." <i>Provisional protection NOT granted.</i>
WALLIS. HASLAM. 7th January 1862.	48. ARTHUR WALLIS and CHARLES HASLAM, of Basingstoke, in the County of Southampton, Engineers and Ironfounders, for an invention for—"Improvements in rotary screens." <i>Letters Patent sealed.</i>
BEALE. 8th January 1862.	49. DAVID BEALE, of No. 10, Cobden Street, Saint Leonard's Road, Bromley, in the County of Middlesex, Pattern Maker, for an invention for—"An improved method of fastening iron plates to ships' sides." <i>Provisional protection only.</i>
WUNDER. 8th January 1862.	50. LOUIS WUNDER, of Leignitz, in the Kingdom of Prussia, Merchant, for an invention for—"Improvements in the manufacture and composition of soap applicable especially for shaving." <i>Provisional protection only.</i>
HEATH. 8th January 1862.	51. ANTHONY HEATH, of No. 12, Union Square, Islington, in the County of Middlesex, for an invention for—"Improvements in the construction of inkstands." <i>Letters Patent sealed.</i>
JESSON. BATSON. MOORE. ROBERTS. 8th January 1862.	52. SAMUEL JESSON, of Smethwick, in the County of Stafford, Roller, and JAMES BATSON, the younger, of Smethwick aforesaid, Iron and Coal Master, and JOHN MOORE the younger, of Langley, near Oldbury, in the County of Worcester, Roll Turner, and JAMES ROBERTS, of Smethwick aforesaid, Manager of Works, for an invention for—"Improvements in the manufacture of gun barrels and wrought iron tubing." <i>Provisional protection only.</i>
PILKINGTON. PILKINGTON. 8th January 1862.	53. CHARLES PILKINGTON and THOMAS PILKINGTON, both of Sheffield, in the County of York, Joiners' Tool Manufacturers, for an invention for—"Improvements in skates." <i>Letters Patent sealed.</i>
BARBER. 8th January 1862.	54. JOSHUA BARBER, of Preston, in the County of Lancaster, Manager, for an invention for—"Improvements in hand mules, consisting of a break and backing off motion." <i>Provisional protection only.</i>
STENHOUSE. 8th January 1862.	55. JOHN STENHOUSE, of 11, Upper Brunswick Terrace, Barnsbury Road, in the County of Middlesex, Chemist, for an invention for—"Improvements in rendering certain substances less pervious to air and liquids." <i>Letters Patent sealed.</i>
BESSEMER. th January 1862.	56. HENRY BESSEMER, of Queen Street Place, New Cannon Street, in the City of London, for an invention for—"Improvements in the machinery and apparatus employed in the manufacture of malleable iron and steel." <i>Letters Patent sealed.</i>
BRADSHAW. 8th January 1862.	57. WILLIAM BRADSHAW the younger, of Coventry, in the County of Warwick, Watch Maker, for an invention for—"Improvements in watches." <i>Letters Patent sealed.</i>

COOK. 8th January 1862.	58. HENRY COOK, of Manchester, in the County of Lancaster, Gentleman, for an invention for—"An improved mode of and apparatus for transmitting despatches and small articles by the agency of electricity."— <i>A communication to him from abroad by Gaetano Bonelli, of Milan, in the Kingdom of Italy.</i> <i>Letters Patent sealed.</i>
SIEMENS. 9th January 1862.	59. CHARLES WILLIAM SIEMENS, of 3, Great George Street, in the County of Middlesex, for an invention for—"Improvements in the means and apparatus employed for insulating and protecting telegraph conducting wires, and in apparatus for working the same."— <i>The result partly of a communication from abroad made to him by Dr. Werner Siemens, of Berlin, in the Kingdom of Prussia, and partly of an invention and discovery made by himself.</i> <i>Letters Patent sealed.</i>
SMITH. WELLSTOOD. 9th January 1862.	60. JAMES SMITH and STEPHEN WELLSTOOD, of Glasgow, in the County of Lanark, North Britain, Stove and Range Manufacturers, for an invention for—"Improvements in cooking-stoves or ranges." <i>Letters Patent sealed.</i>
BRUNT. 9th January 1862.	61. JOHN BRUNT, of No. 15, Rue Petrelle, in the City of Paris, Engineer, for an invention for—"Improvements in gas meters." <i>Letters Patent sealed.</i>
WESTON. 9th January 1862.	62. THOMAS ALDRIDGE WESTON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"A new or improved multiplying gearing for transmitting and multiplying power, which said gearing may be applied to cranes, windlasses, capstans and presses, and to other purposes where it is required to transmit and multiply power." <i>Provisional protection only.</i>
WILSON. 9th January 1862.	63. DAVID WILSON, of Colombo, in the Island of Ceylon, for an invention for—"Improvements in machinery for pulping and preparing coffee." <i>Letters Patent sealed.</i>
CHARVET. 9th January 1862.	64. HENRI CHARVET, of Lille, in the Department of the Nord, in the empire of France, Manufacturer, for an invention for—"Improvements in the spinning of cotton and in its various applications." <i>Provisional protection only.</i>
WILSON. 9th January 1862.	65. DAVID WILSON, of Colombo, in the Island of Ceylon, for an invention for—"Improvements in hydraulic presses." <i>Letters Patent sealed.</i>
TATUM. WILLIAMS. 9th January 1862.	66. JOEL HAYWOOD TATUM and WILLIAM JAMES WILLIAMS, of New York, United States of America, but now residing at Arundel Street, Strand, in the County of Middlesex, for an invention for—"Improvements in the manufacture and structure of wicks, and in the application of the same to the manufacture of candles." <i>Letters Patent sealed.</i>
BROOMAN. 9th January 1862.	67. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for carburetting and burning gas."— <i>A communication to him from abroad by Leon Farrence and Henri Gloesener, both of Paris, France.</i> <i>Letters Patent sealed.</i>
THOMPSON. 9th January 1862.	68. BENJAMIN THOMPSON, of Birmingham, in the County of Warwick, Merchant, for an invention for—"Improvements in ordnance and fire-arms, and in projectiles to be used therewith."— <i>A communication to him from abroad by Edward Heaton, of New Haven, in the State of Connecticut, in the United States of America, Gentleman.</i> <i>Letters Patent sealed.</i>
BARBER. 9th January 1862.	69. HARBY BARBER, of Belgrave, in the County of Leicester, Manufacturer, for an invention for—"Improvements in safety lamps." <i>Provisional protection only.</i>
DE NORMANDY. 10th January 1862.	70. ALPHONSE RENÉ LE MIRE DE NORMANDY, of Odin Lodge, King's Road, Clapham Park, Surrey, Analytical Chemist, for an invention for—"An improved method of fixing tubes in tube plates." <i>Letters Patent sealed.</i>
CARTER. 10th January 1862.	71. JOHN CARTER, of Tipton, in the County of Stafford, Machinist, for an invention for—"A new or improved draining plough." <i>Letters Patent sealed.</i>
JOHNSON. 10th January 1862.	72. ROBERT JOHNSON, of Liverpool, in the County of Lancaster, Master Mariner, for an invention for—"An improved composition for coating the bottoms of iron ships to prevent their fouling, and which composition may be used as a protective coating for wood, iron, or other substances exposed to the action of sea water." <i>Letters Patent sealed.</i>

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| <p>WIGZELL.
10th January 1862.</p> <p>MOORES.
10th January 1862.</p> <p>OATES.
10th January 1862.</p> <p>DARVILL.
10th January 1862.</p> <p>PREECE.
10th January 1862.</p> <p>PETRE.
TUCKER.
10th January 1862.</p> <p>KENYON.
HORN.
10th January 1862.</p> <p>CLARK.
10th January 1862.</p> <p>RAMSAY.
11th January 1862.</p> <p>CHARLTON.
11th January 1862.</p> <p>WHITE.
11th January 1862.</p> <p>MACKIRDY.
11th January 1862.</p> <p>SCOTT.
11th January 1862.</p> <p>WILKINSON.
11th January 1862.</p> <p>SOUTHBY.
13th January 1862.</p> <p>ROWAN.
13th January 1862.</p> | <p>73. MONTAGUE WIGZELL, of the Strand, Topsham, in the County of Devon, for an invention for—"An improved double-acting ventilator for railway carriages and other carriages and compartments."
<i>Letters Patent sealed.</i></p> <p>74. FREDERICK MOORES, of Warrington, in the County of Lancaster, Iron Merchant, for an invention for—"An improved method of obtaining motive-power by means of water-wheels."
<i>Provisional protection only.</i></p> <p>75. JAMES OATES, of Mirfield, in the County of York, Cabinet Maker, for an invention for "Improvements in washing-machines."
<i>Letters Patent sealed.</i></p> <p>76. HENRY DARVILL, of New Windsor, in the County of Berks, Gentleman, for an invention for—"An improved method of hardening chalk for building purposes."
<i>Provisional protection only.</i></p> <p>77. WILLIAM HENRY PREECE, of the Town and County of Southampton, Civil Engineer, for an invention for—"Improved apparatus for signalling upon railways."
<i>Letters Patent sealed.</i></p> <p>78. LOUIS PETRE and EDWARD SAMUEL TUCKER, of No. 194, Waterloo Road, London, for an invention for—"The application of velvet plush, cloth, leather, American cloth, oil-cloth and other such like substances, alone and in combination with other materials, for advertising show-boards, show-cards, window tickets, and all such uses."
<i>Provisional protection only.</i></p> <p>79. JOHN KENYON, of Ivy Cottage, Lower Heath, Hampstead, and ARCHIBALD HORN, of Great James Street, Bedford Row, both in the County of Middlesex, Engineers, for an invention for—"Improvements in railway signalling by electricity, and in the arrangement of apparatus for that purpose."
<i>Provisional protection only.</i></p> <p>80. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for generating and applying steam as a motive-power."—<i>A communication to him from abroad by Mr. Louis Arnier, of 29, Boulevard St. Martin, Paris, in the Empire of France, Mechanician.</i>
<i>Letters Patent sealed.</i></p> <p>81. THOMAS RAMSAY, of the Town and County of Newcastle-upon-Tyne, Coal-owner, for an invention for—"Improvements in the manufacture of coke."
<i>Letters Patent sealed.</i></p> <p>82. HENRY CHARLTON, of Birmingham, in the County of Warwick, Merchant and Manufacturer, for an invention for—"Improvements in the manufacture of certain kinds of shoes for mules and horses."
<i>Letters Patent sealed.</i></p> <p>83. JOSEPH WHITE, of 7, Trinity Street, Southwark, in the County of Surrey, for an invention for—"Improvements in lubricating or oil cans or oil feeders, and in the mechanical arrangements for regulating the flow of oil therefrom."
<i>Letters Patent sealed.</i></p> <p>84. LAUCHLAN MACKIRDY, of Greenock, in the County of Renfrew, Sugar Refiner, for an invention for—"Improvements in apparatuses for reburning animal charcoal."
<i>Provisional protection only.</i></p> <p>85. THOMAS SCOTT, of Nelson Square, in the County of Surrey, Engineer, for an invention for—"Improvements in steam-engines."
<i>Letters Patent sealed.</i></p> <p>86. WILLIAM WILKINSON, of No. 20, Charlotte Street, Fitzroy Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in ornamenting and decorating metals, glass, porcelain, parchment and other skins, and in the materials and ingredients employed therefor, also in protecting silver and gold on said materials, and on surfaces or plates of glass or metal, or plates of glass and metal combined, applicable to works of art, furniture, jewellery, and other articles of a useful and ornamental character."
<i>Provisional protection only.</i></p> <p>87. ANTHONY GAPPER SOUTHBY, of Bulford, in the County of Wilts, for an invention for—"Improvements in the preparation of pulp for paper making."
<i>Provisional protection only.</i></p> <p>88. JOHN MARTIN ROWAN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in the manufacture of iron and steel."
<i>Provisional protection only.</i></p> |
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GILBERT. GILBERT. HADDON. 13th January 1862.	89. THOMAS GILBERT, of Birmingham, in the County of Warwick, Manufacturer, and CHARLES GILBERT, of Birmingham, aforesaid, Manufacturer, and THOMAS HADDON, of Birmingham, aforesaid, Manufacturer, for an invention for—"An improvement or improvements in the manufacture of swivels for guns and in machinery to be employed in the said manufacture." <i>Letters Patent sealed.</i>
WARLICH. 13th January 1862.	90. FERDINAND CHARLES WARLICH, of 10, Alma Terrace, New Cross, in the County of Kent, Gentleman, for an invention for—"Improvements in the manufacture of artificial fuel." <i>Letters Patent sealed.</i>
SOAR. BELSHAW. SOAR. 13th January 1862.	91. THOMAS SOAR, of the Town and County of the Town of Nottingham, Machine Builder, JONATHAN BELSHAW, of Radford, in the County of Nottingham, Lace Maker, and MARCUS SOAR, of the said Town and County of the Town of Nottingham, Lace Maker, for an invention for—"An improved knocker to be attached to doors, shutters, or other parts of premises to which the same may be applicable, and applicable also for the reception of letters and other documents." <i>Letters Patent sealed.</i>
PARKER. WELLS. WELLS. 13th January 1862.	92. JOHN PARKER, of Ivy House, Bradford, in the County of York, and JOSEPH WELLS and BENJAMIN WELLS, of Bowling, near Bradford, aforesaid, Millwrights, for an invention for—"Improvements in steam-engines, boilers, furnaces and apparatus in connection therewith or applicable thereto." <i>Letters Patent sealed.</i>
GEDGE. 13th January 1862.	93. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved means or apparatus for gaining or acquiring motive-power."— <i>A communication to him from abroad by Hugus Sarrazin, of 15, Passage des Petites Ecuries, Paris, France.</i> <i>Provisional protection only.</i>
BROOMAN. 13th January 1862.	94. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of cups, bowls, saucers and other dished articles and cases."— <i>A communication to him from abroad by Frederic Wilhelm Marx, of Paris, France.</i> <i>Letters Patent sealed.</i>
SCHOTTLANDER. 13th January 1862.	95. HENRY SCHOTTLANDER, of Paris, in the French Empire, Merchant, for an invention for "Improvements in albums for containing photographic and other pictures." <i>Provisional protection only.</i>
HEWITT. 13th January 1862.	96. GEORGE HEWITT, of Ipswich, House and Land Surveyor, for an invention for—"Improvements in apparatus used in the manufacture of drain tiles." <i>Provisional protection only.</i>
BETTELEY. 13th January 1862.	97. JOSEPH BETTELEY, of Liverpool, in the County of Lancaster, Iron Merchant, for an invention for—"Improvements in ship building." <i>Provisional protection only.</i>
TREEBY. 13th January 1862.	98. THOMAS WRIGHT GARDNER TREEBY, of 1, Westbourne Terrace Villas, Paddington, in the county of Middlesex, Gentleman, for an invention for—"An improved method of and apparatus for producing rifled cannon and fire arms." <i>Provisional protection only.</i>
MARSHALL. 13th January 1862.	99. JAMES GARTH MARSHALL, of Leeds, in the county of York, Flax Spinner, for an invention for—"Improvements in the preparation of flax, hemp and other fibres previous to being spun." <i>Letters Patent sealed.</i>
MAY. 13th January 1862.	100. CHARLES NEALE MAY, of Devizes, in the County of Wilts, Engineer, for an invention for—"Improvements in the manufacture of pastry and in apparatus for the same." <i>Provisional protection only.</i>
CARTER. 14th January 1862.	101. JOHN CARTER, of 20, Danvers Street, Paulton Square, Chelsea, in the County of Middlesex, Saddler and Harness Maker, for an invention for—"An improved shaft tug or bearer used in harness." <i>Provisional protection only.</i>
HUGHES. 14th January 1862.	102. EBENEZER WILLIAM HUGHES, of No. 22, Parliament Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in malleable cylinders and tubes used in engineering and architectural structures." <i>Letters Patent sealed.</i>

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| <p>PAINE.
14th January 1862.</p> <p>JACK.
14th January 1862.</p> <p>CHADWICK.
14th January 1862.</p> <p>GORSE.
14th January 1862.</p> <p>MARSH.
14th January 1862.</p> <p>HARRISON.
HARRISON.
14th January 1862.</p> <p>HILL.
14th January 1862.</p> <p>HARRIS.
14th January 1862.</p> <p>MARSHALL.
14th January 1862.</p> <p>LORD.
15th January 1862.</p> <p>CLELAND.
15th January 1862.</p> <p>TIMMINS.
SIMMONS.
15th January 1862.</p> <p>RIDSDALE.
15th January 1862.</p> <p>CUNNINGHAM.
15th January 1862.</p> <p>BROOK.
16th January 1862.</p> <p>KNIGHT.
16th January 1862.</p> | <p>103. JAMES PAINE, of the firm of Paine and Hough, of the city of Manchester, in the County of Lancaster, Woollen Merchant, for an invention for "Improvements in printing and ornamenting kamptulicon when applied to fabrics."
<i>Provisional protection NOT granted.</i></p> <p>104. JAMES JACK, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"An improved method of preparing cores for moulding or shaping metals."
<i>Provisional protection only.</i></p> <p>105. MATTHEW CHADWICK, of Radcliffe, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery for folding or plaiting cloth and for measuring the same."
<i>Provisional protection only.</i></p> <p>106. WILLIAM GORSE, of Minworth, in the County of Warwick, Manufacturer, for an invention for—"An improvement or improvements in machinery for manufacturing the cut nails called brads."
<i>Letters Patent sealed.</i></p> <p>107. SAMUEL WILMER MARSH, of the City of Washington, in the District of Columbia, and United States of America, for an invention for—"Improvements in breech loading fire-arms."
<i>Letters Patent sealed.</i></p> <p>108. THOMAS HARRISON, of Barningham, Foreman on the Glebe Farm, and JOHN GEORGE HARRISON, of Kirby Ravensworth, Blacksmith, both in the North Riding of Yorkshire, for an invention for—"Improvements in ploughs."
<i>Letters Patent sealed.</i></p> <p>109. CHRISTOPHER HILL, of Ferryside, Kidwelly, in the County of Carmarthen, Coal Agent, for an invention for—"Improvements in the manufacture of lubricating compounds."
<i>Letters Patent sealed.</i></p> <p>110. JOSIAH HARRIS, of Ess Hill House, Newton Abbot, in the County of Devon, for an invention for—"An improved semaphore target marker."
<i>Provisional protection only.</i></p> <p>111. JAMES GARTH MARSHALL, of Leeds, in the County of York, Flax Spinner, for an invention for—"Improvements in the machinery and processes for producing fibre from woven and other textile fabrics."
<i>Letters Patent sealed.</i></p> <p>112. EDWARD LORD, of Todmorden, in the County of York, Machine Maker, for an invention for—"Improvements in check straps applicable to looms for weaving."
<i>Provisional protection only.</i></p> <p>113. WILLIAM CLELAND, of 39, St. George's Hill, Everton, Liverpool, in the County of Lancaster, for an invention for—"Improvements in treating and utilizing certain materials used and products obtained in the manufacture of gas, and in apparatus connected with the said treatment."
<i>Letters Patent sealed.</i></p> <p>114. THOMAS TIMMINS, General Caster, of Birmingham, in the County of Warwick, and THOMAS SIMMONS, Doctor of Medicine, also of Birmingham, aforesaid, for an invention for—"An improved bath, combining in itself the advantages of the hot air or Turkish bath, with the vapour, slipper, hot and cold water shower bath."
<i>Letters Patent sealed.</i></p> <p>115. JOSEPH RIDSDALE, of the Minories, in the city of London, Engineer, for an invention for—"Improvements in preparing sheet lead for covering floors, stairs and other like purposes."
<i>Letters Patent sealed.</i></p> <p>116. HENRY DUNCAN PRESTON CUNNINGHAM, of Bury, near Gosport, in the County of Hants, Esquire, for an invention for—"Improvements in means or apparatus for protecting screw propellers from entanglement or being fouled by ropes or other bodies, also improvements in means or apparatus for closing up the screw aperture."
<i>Letters Patent sealed.</i></p> <p>117. JOHN BROOK, of Leeds, in the County of York, Engineer, for an invention for—"Improvements in the form of lubricators."
<i>Provisional protection only.</i></p> <p>118. JOHN ADAMS KNIGHT, of No. 4, Symonds Inn, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery for dressing millstones by means of a diamond cutter."—<i>A communication to him from abroad by John Dickinson, of New York, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
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MONCKTON. 16th January 1862.	119. EDWARD HENRY CRADOCK MONCKTON, of Fineshade, in the County of Northampton, Esquire, for an invention for—"Improvements in apparatus for obtaining and applying motive-power." <i>Letters Patent sealed.</i>
MATANLE. 16th January 1862.	120. THOMAS MATANLE, of No. 5, Wilmot Square, Bethnal Green Road, in the County of Middlesex, Brass Manufacturer, for an invention for—"An improved runner fastening for umbrellas, parasols, sunshades and other similar articles." <i>Provisional protection only.</i>
TRISTRAM. 16th January 1862.	121. WILLIAM TRISTRAM, of Bolton, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in power-looms for weaving." <i>Provisional protection only.</i>
WHEATCROFT. 16th January 1862.	122. HENRY WHEATCROFT, of 27, Fore Street, City of London, Manufacturer, for an invention for—"Improvements in the manufacture of bonnet and cap fronts and similar fabrics." <i>Provisional protection NOT granted.</i>
MYERS. MYERS. 17th January 1862.	123. THOMAS MYERS, of 41, Bloomsbury Square, in the County of Middlesex, and EDWARD MYERS, of 56, Millbank Street, Westminster, for an invention for—"An improved composition for preventing rust on bright steel, iron, brass or metal surfaces." <i>Letters Patent sealed.</i>
DUNLOP. 17th January 1862.	124. ROBERT DUNLOP, of Cwm Avon, Taibach, in the County of Glamorgan, Accountant, for an invention for—"Improved means for facilitating calculations." <i>Provisional protection only.</i>
ROWAN. 17th January 1862.	125. JOHN MARTIN ROWAN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in the construction of steam hammers." <i>Letters Patent sealed.</i>
MOSS. 17th January 1862.	126. BARROW MOSS, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"The application of steatite either alone or in combination with other substances to the manufacture of bricks, fire-bricks, the lining of furnaces and other similar purposes." <i>Provisional protection only.</i>
THOMPSON. 17th January 1862.	127. NATHAN THOMPSON, of 55, St. Paul's Road, Camden Town, in the County of Middlesex, for an invention for—"Improvements in apparatus for stopping bottles." <i>Letters Patent sealed.</i>
DICKEY. 17th January 1862.	128. JULIUS CAESAR DICKEY, of Saratoga Springs, County of Saratoga, and State of New York, United States of America, for an invention for—"An improved quartz-crusher." <i>Provisional protection only.</i>
ROMAINE. 17th January 1862.	129. ROBERT ROMAINE, of Devizes, in the County of Wilts, Agricultural Engineer, for an invention for—"Improvements in apparatus to be used in cultivating land by steam power, and in steam-boilers used for agricultural and traction purposes." <i>Letters Patent sealed.</i>
TOW. 18th January 1862.	130. JOHN TOW, of Poland Street, Oxford Street, in the County of Middlesex, Ironmonger, for an invention for—"Improvements in the construction of stoves or fire-places." <i>Letters Patent sealed.</i>
EMMOTT. TRAVIS. 18th January 1862.	131. THOMAS EMMOTT, of the Vale Mills, Oldham, in the County of Lancaster, Manufacturer, and JOSEPH TRAVIS, of the same place, Salesman, for an invention for—"Improvements in the manufacture of velvets, velveteens and other similar piled fabrics." <i>Letters Patent sealed.</i>
NEWTON. 18th January 1862.	132. THOMAS NEWTON, of the city of Manchester, in the County of Lancaster, Gun and Rifle Manufacturer, for an invention for—"Improvements in sights for rifles." <i>Letters Patent sealed.</i>
DAVIES. 18th January 1862.	133. EDWARD DAVIES, of Warrington, in the county of Lancaster, Gentleman, for an invention for—"Improvements in apparatus for gauging and cutting soap." <i>Provisional protection only.</i>
HELME. 18th January 1862.	134. WILLIAM HELME, of Caldbeck, in the Duchy of Cumberland, for an invention for—"A new or improved fire-lighter." <i>Provisional protection only.</i>
STEVENS. 18th January 1862.	135. JAMES JOHN STEVENS, of Darlington Works, Southwark, in the County of Surrey, for an invention for—"Improvements in 'point' indicators for railways." <i>Letters Patent sealed.</i>

TICE. 18th January 1862.	136. WILLIAM TICE, of 16, Downham Road, Islington, in the County of Middlesex, for an invention for—"Improvements in gas regulators and meters, part of which invention is also applicable for covering various descriptions of metal spindles." <i>Provisional protection only.</i>
DREYFOUS. 18th January 1862.	137. SAMUEL DREYFOUS, of Paris, France, Civil Engineer, for an invention for—"An improved throstle spinning frame."— <i>A communication from Monsieur Charles Leyherr, a person resident at Laval, France.</i> <i>Letters Patent sealed.</i>
WINANS. 18th January 1862.	138. WILLIAM LOUIS WINANS, of Baltimore, Maryland, United States of America, but now residing at Brighton, in the County of Sussex, and Kingdom of England, Civil Engineer, for an invention for—"Improvements in the manner of mounting and apparatus for manœuvring cannon or ordnance on ships or vessels of war and floating batteries." <i>Letters Patent sealed.</i>
ROBERTS. DALE. 18th January 1862.	139. THOMAS ROBERTS and JOHN DALE, of Manchester, in the County of Lancaster, Manufacturing Chemists, for an invention for—"Improvements in the manufacture of gunpowder." <i>Letters Patent sealed.</i>
MAPPIN. 20th January 1862.	140. WALTER SANDELL MAPPIN, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"A new or improved lock." <i>Letters Patent sealed.</i>
BARBAT. 20th January 1862.	141. LÉONARD BARBAT, of 2, Rue Sainte Appoline, Paris, France, and of 4, South Street, Finsbury, London, for an invention for—"A new or improved fabric applicable to the manufacture of hats, bonnets and other like articles." <i>Letters Patent sealed.</i>
HOLT. 20th January 1862.	142. THOMAS HOLT, of Edward Street, Blackfriars Road, in the county of Surrey, Bedstead Manufacturer, for an invention for—"Improvements in folding iron chairs and chair bedsteads." <i>Provisional protection only.</i>
JOBLING. 20th January 1862.	143. THOMAS WILLIAM JOBLING, of Point Pleasant, in the county of Northumberland, Colliery Viewer and Mining Engineer, for an invention for—"Improvements in the adaptation of locomotive engines to traction or haulage in mines." <i>Letters Patent sealed.</i>
BOALER. 20th January 1862.	144. WILLIAM BOALER, of Manchester, in the County of Lancaster, Merchant, for an invention for—"Certain improvements in the method of sizing paper, yarns and woven fabrics, and in machinery or apparatus connected therewith."— <i>A communication to him from abroad by John Adams Rhodes, of Providence, Rhode Island, United States of America.</i> <i>Letters Patent sealed.</i>
LAMB. WHITE. 20th January 1862.	145. ANDREW LAMB, of Southampton, and JOHN WHITE, of West Cowes, Isle of Wight, for an invention for—"Improvements in life boats." <i>Letters Patent sealed.</i>
BIRD. 20th January 1862.	146. JOSEPH BIRD, of Blidworth, in the County of Nottingham, Farmer and Miller, for an invention for—"An improved crank axle applicable to cranks of any description whatsoever wherein the wear is mainly on one side thereof." <i>Letters Patent sealed.</i>
NICHOLSON. 20th January 1862.	147. EDWARD CHAMBERS NICHOLSON, of the Atlas Works, Locksfields, in the County of Surrey, Manufacturing Chemist, for an invention for—"Improvements in the preparation of colours suitable for dyeing and printing." <i>Letters Patent sealed.</i>
ANGEW. 20th January 1862.	148. JOHN WASHINGTON AGNEW, of the City of London, in West Canada, but at present of Windsor Chambers, Great Saint Helen's, in the City of London, Gentleman, for an invention for—"A new or improved kind of last capable of being adjusted to various sizes and to various shapes of toes."— <i>A communication made to him from abroad by Samuel Slater, of the City of London, in West Canada aforesaid.</i> <i>Provisional protection only.</i>
DOREMUS. BUDD. 20th January 1862.	149. ROBERT OGDEN DOREMUS and BERN LUM BUDD, of New York, United States of America, Chemists, for an invention for—"Improvements in making cart-ridges." <i>Letters Patent sealed.</i>

STENHOUSE. 21st January 1862.	150. JOHN STENHOUSE, of 11, Upper Brunswick Terrace, Barnsbury Road, in the County of Middlesex, Chemist, for an invention for—"Improvements in the protection of metallic surfaces, and in rendering certain substances less pervious to air and moisture." <i>Letters Patent sealed.</i>
KNIGHT. 21st January 1862.	151. JOHN ADAMS KNIGHT, of No. 4, Symonds Inn, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the permanent way of railways."— <i>A communication to him from abroad by Hiram Carpenter, of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
TOURRIER. 21st January 1862.	152. JEAN FURCY TOURRIER, of 41, Manchester Street, Manchester Square, in the County of Middlesex, for an invention for—"An improved method of and apparatus for warming adjoining houses by means of air chambers attached to grates in the party walls dividing such houses." <i>Provisional protection only.</i>
BINKS. 21st January 1862.	153. CHRISTOHER BINKS, of Gray's Inn, in the County of Middlesex, for an invention for—"Improvements in generating steam, in superheating steam, and in apparatuses employed therein." <i>Letters Patent sealed.</i>
BATE. 21st January 1862.	154. JOHN BATE, of No. 18, Crescent, Birmingham, for an invention for—"Improvements in machines for corking or stopping the mouths of bottles, jars, or any vessel requiring to be stopped up air-tight." <i>Provisional protection only.</i>
BARLOW. 21st January 1862.	155. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Improvements in machinery or apparatus for counting and indicating the number of revolution of shafts or other articles and for exerting power."— <i>A communication to him from abroad by Arnold Castlisch, of Winterthur, in the Republic of Switzerland.</i> <i>Letters Patent sealed.</i>
BOUSFIELD. 21st January 1862.	156. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the county of Surrey, for an invention for—"Improvements in machinery for making nails and spikes."— <i>A communication to him from abroad by Carl Gustaf Gustafsgon, a person resident at Hellstorp, near Yönköping, in the Kingdom of Sweden.</i> <i>Letters Patent sealed.</i>
RAWLINS. 21st January 1862.	157. JAMES HYNDFORD RAWLINS, of Hope Paper Mills, near Wrexham, for an invention for—"Improvements in machinery used in the manufacture of paper."— <i>A communication to him from abroad by Oliver Woodworth, resident at New London, Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
MARTIN. 21st January 1862.	158. ALFRED JOSEPH MARTIN, of High Street, Bow, in the County of Middlesex, Chemist and Druggist, for an invention for—"Improvements in the treatment of fusel oil and for various applications of the same to useful purposes." <i>Letters Patent sealed.</i>
BROOMAN. 21st January 1862.	159. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in street and road sweeping machines, parts of which are applicable to the separation of liquid from solid substances."— <i>A communication to him from abroad by Victor Ferdinand Jeuneau, of Cosne, France.</i> <i>Letters Patent sealed.</i>
BURGESS. 21st January 1862.	160. WILLIAM BURGESS, of the firm of Burgess and Key, of Newgate Street, in the City of London, Agricultural Implement Makers, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
HENRY. 21st January 1862.	161. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the mode of and apparatus for applying electricity to horology."— <i>A communication to him from abroad by François Victor Guyard, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
TOZER. READ. 21st January 1862.	162. WILLIAM TOZER, of Gracechurch Street, in the City of London, and ARCHIBALD READ, of Walworth, in the County of Surrey, for an invention for—"Improvements in boots and shoes." <i>Complete specification; Letters Patent sealed.</i>
MARTIN. 22nd January 1862.	163. LOUIS MARTIN, Chemist, residing in Paris, No. 13, Rue Gaillon, for an invention for—"Improvements in the treatment of mineral oils and in the apparatus connected therewith." <i>Letters Patent sealed.</i>

ROBERTS. 22nd January 1862.	164. ISAAC ROBERTS, of Liverpool, in the County of Lancaster, Contractor, for an invention for—"Improvements in combined hydraulic motive-power engines and meters." <i>Letters Patent sealed.</i>
GERISH. 22nd January 1862.	165. FRANCIS WILLIAM GERISH, of East Road, City Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in printing presses." <i>Letters Patent sealed.</i>
PACE. 22nd January 1862.	166. EDMUND PACE, of Queen Street, in the City of London, Manufacturer, for an invention for—"Improvements in laths for Venetian blinds, in painting such laths, and in raising and lowering Venetian blinds." <i>Letters Patent sealed.</i>
BEER. 22nd January 1862.	167. ALFRED JAMES BEER, of Canterbury, in the County of Kent, Engineer, for an invention for—"Improvements in the valves of steam and other motive engines." <i>Letters Patent sealed.</i>
LITTLE. LITTLE. 22nd January 1862.	168. THOMAS LITTLE and JOHN LITTLE, both of Alston, in the County of Cumberland, Grocer and Whitesmith, for an invention for—"Improvements in apparatus for cooling coffee berries." <i>Provisional protection only.</i>
HINKS. DIXON. 23rd January 1862.	169. JOSEPH HINKS, of Birmingham, in the County of Warwick, Manufacturer, and ADAM DIXON, also of Birmingham, in the County of Warwick, Engineer, for an invention for—"A new apparatus for warming and drying boots, shoes or slippers, which apparatus is also applicable for racking or storing boots, shoes or slippers, for exhibition or otherwise." <i>Provisional protection only.</i>
MAYS. 23rd January 1862.	170. JONATHAN ALDOUS MAYS, of No. 30, Regent Square, in the parish of St. Pancras, in the County of Middlesex, for an invention for—"Improvements in envelopes and other wrappers." <i>Provisional protection only.</i>
TOMLINSON. 23rd January 1862.	171. JOHN TOMLINSON, of Liverpool, in the County of Lancaster, Iron Bedstead Manufacturer, for an invention for—"Improvements in washing machines." <i>Provisional protection only.</i>
WALLACE. 23rd January 1862.	172. JOHN WALLACE, of Haldane's Mill, near Alexandria, in the County of Dumbarton, North Britain, Smith and Agricultural Implement Maker, for an invention for—"Improvements in reaping machines." <i>Letters Patent sealed.</i>
WERNER. 23rd January 1862.	173. FREDERICK WILLIAM WERNER, of Mannheim, in the Grand Duchy of Baden, for an invention for—"An improved method of and apparatus for destroying vermin." <i>Provisional protection only.</i>
ROPES. 23rd January 1862.	174. WILLIAM HOOPER ROPES, of Crown Court, Old Broad Street, in the City of London, Merchant, for an invention for—"Improvements in machinery or apparatus for cleaning coffee, rice, or any seed or grain having an outer hull and inner pellicle."— <i>A communication to him from abroad by William Maxwell Greene, of Tongoi, Chili, South America, Merchant.</i> <i>Letters Patent sealed.</i>
OWEN. 23rd January 1862.	175. HENRY OWEN, of Albert Terrace, Islington, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in the manufacture of stockings and other articles of hosiery." <i>Letters Patent sealed.</i>
ROGERS. 23rd January 1862.	176. GEORGE ROGERS, of Staines, in the County of Middlesex, Plumber, for an invention for—"Improved mechanical arrangements for letting off water or other liquids from butts, vessels, or cisterns." <i>Provisional protection only.</i>
JOHNSON. 23rd January 1862.	177. JOHN CRESSWELL JOHNSON, of the Town of Nottingham, Lace Maker, for an invention for—"Improvements in the manufacture of twist lace in twist lace machines." <i>Letters Patent sealed.</i>
RIPLEY. 23rd January 1862.	178. ABRAHAM RIPLEY, of Brook Street, Lambeth, in the County of Surrey, Engineer, for an invention for—"Improvements in the construction of pistons." <i>Letters Patent sealed.</i>
YATES. 23rd January 1862.	179. HENRY YATES, of Cecil Street, Strand, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for bending, repairing, or renewing defective or damaged parts of iron rails." <i>Provisional protection only.</i>

SERVICE. 23rd January 1862.	180. JAMES GOWANS SERVICE, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in machinery or apparatus for cutting and scoring pasteboard and other similar material." <i>Provisional protection only.</i>
WILLIAMSON. 24th January 1862.	181. ALEXANDER WILLIAM WILLIAMSON, Ph.D., F.R.S., of University College, London, for an invention for—"Improvements in tubulous boilers or steam generators." <i>Provisional protection only.</i>
HIGGIN. 24th January 1862.	182. JAMES HIGGIN, of the City of Manchester, Cotton Merchant, for an invention for—"Improvements in machinery for retarding and stopping railway carriages." <i>Letters Patent sealed.</i>
CORNFORTH. SMITH. 24th January 1862.	183. JOHN CORNFORTH, of Birmingham, in the County of Warwick, Manufacturer, and BENJAMIN SMITH, of Birmingham, aforesaid, Machinist, for an invention for—"New or improved machinery for boring or drilling gun barrels and tubes, and other articles having a cylindrical or prismatic figure, which said machinery may also be applied to other like purposes." <i>Letters Patent sealed.</i>
CLARK. 24th January 1862.	184. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of artificial flowers, leaves and fruit."— <i>A communication to him from abroad by Joseph Dominique Alphonse Favier, of 29, Boulevard St. Martin, Paris, Artificial Flower Maker.</i> <i>Letters Patent sealed.</i>
LONGHURST. 24th January 1862.	185. JOHN LONGHURST, of Ticehurst, in the County of Sussex, Gentleman, for an invention for—"Improvements in chains and chain cables." <i>Letters Patent sealed.</i>
ROCK. 24th January 1862.	186. JAMES ROCK, the younger, of Hastings, in the County of Sussex, Carriage Builder, for an invention for—"Improvements in common road carriages." <i>Provisional protection only.</i>
GIRDLESTONE. 24th January 1862.	187. JOHN WARD GIRDLESTONE, of Birkenhead, in the County of Chester, Gentleman, for an invention for—"Improvements in projectiles for fire-arms." <i>Provisional protection only.</i>
MORRIS. WEARE. MONCKTON. 24th January 1862.	188. TIMOTHY MORRIS and ROBERT WEARE, both of Birmingham, in the County of Warwick, Electricians, and EDWARD HENRY CRADOCK MONCKTON, of Fineshade, in the County of Northampton, Esquire, for an invention for—"Improvements in submarine and other telegraphic communication, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
HALL. 24th January 1862.	189. CHARLES GODFREY HALL, of Regent Street, in the County of Middlesex, for an invention for—"Improvements in the manufacture of boots, shoes and leggings." <i>Letters Patent sealed.</i>
WALLIS. HASLAM. 24th January 1862.	190. ARTHUR WALLIS and CHARLES HASLAM, of Basingstoke, in the County of Southampton, Engineers and Ironfounders, for an invention for—"Improvements in thrashing-machines." <i>Provisional protection only.</i>
ALISON. 24th January 1862.	191. JOHN ALISON, of Brightland, Reigate, in the County of Surrey, for an invention for—"Improvements in apparatus for tilling land by steam power." <i>Letters Patent sealed.</i>
BAKER. 25th January 1862.	192. WHITMORE BAKER, of Downham, in the County of Norfolk, Surgeon Dentist, for an invention for—"Improvements in fire-arms adapted to prevent their accidental discharge." <i>Provisional protection only.</i>
JOHNSTON. 25th January 1862.	193. WILLIAM JOHNSTON, of Glasgow, in the County of Lanark, North Britain, Metal Merchant, for an invention for—"Improvements in lamps." <i>Provisional protection only.</i>
WEST. 25th January 1862.	194. CHARLES WEST, of 2, Derby Street, Westminster, London, and of Chateau Lehocq, Boulogne-sur-Mer, France, for an invention for—"Improvements in the insulation and covering of wire, and in the preparation of the materials for insulating the same." <i>Letters Patent sealed.</i>
MOUGIN. 25th January 1862.	195. JEAN CLAUDE FRANÇOIS MOUGIN, of Paris, France, for an invention for—"Improvements in barcelonnettes or cradles for children or for dolls." <i>Letters Patent sealed.</i>

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| JOHNSON.
25th January 1862. | 196. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the prevention or removal of incrustation in or from steam generators, and in the apparatus employed therein."— <i>A communication to him from abroad by Stanislas Michel Lecacheux and Bernard Sartre, both of Marseilles, in the Empire of France.</i>
<i>Complete specification; Letters Patent sealed.</i> |
| EDLESTON.
GLEDHILL.
25th January 1862. | 197. DICKINSON EDLESTON, of the firm of Holmes and Company, of Halifax, in the County of York, Dyer and Finisher, and HENRY GLEDHILL, of the same place, Finisher, for an invention for—"Improvements in means and apparatus for finishing textile and other fabrics." <i>Letters Patent sealed.</i> |
| CURLEY.
25th January 1862. | 198. EDWIN AUGUSTUS CURLEY, of 4, Green Terrace, New River Head, Clerkenwell, in the County of Middlesex, Gentleman, for an invention for—"Certain improvements in sewing-machines." <i>Letters Patent sealed.</i> |
| WRIGHT.
25th January 1862. | 199. JOHN WRIGHT, of Rochester, in the County of Kent, Civil Engineer, for an invention for—"Improvements in constructing works below water." <i>Letters Patent sealed.</i> |
| LEFORT.
25th January 1862. | 200. FRANÇOIS JOSEPH LALMAND LEFORT, of Bothey, in the Kingdom of Belgium, for an invention for—"Improved mechanical arrangements constituting a secret and invisible safety lock applicable to iron safes and other depositories." <i>Letters Patent sealed.</i> |
| ROBERTS.
ROBERTS.
25th January 1862. | 201. FREDERICK ROBERTS, of Maiden Newton, and ALEXANDER ROBERTS, of Frome, Vauchurch, both in the County of Dorset, for an invention for—"Improvements in apparatus for ploughing or cultivating land." <i>Provisional protection only.</i> |
| BROWN.
DAVENPORT.
25th January 1862. | 202. JOHN BROWN, Manager, and JOSEPH DAVENPORT, Pattern Maker, both of Bolton, in the County of Lancaster, for an invention for—"An improved lubricating apparatus applicable to pistons." <i>Letters Patent sealed.</i> |
| SAMUELSON.
25th January 1862. | 203. ALEXANDER SAMUELSON, of 28, Cornhill, in the City of London, Engineer and Iron Ship-builder, for an invention for—"Improvements in hydraulic presses and in the mode of working the same." <i>Letters Patent sealed.</i> |
| SMITH.
TIESSET.
27th January 1862. | 204. WALTER SMITH, of the City of Manchester, Corn Factor, and CASIMIR TIESSET, of Boulogne-sur-Mer, in the Empire of France, Chemist, for an invention for—"Improvements in the manufacture of colours for dyeing and printing." <i>Provisional protection NOT granted.</i> |
| LILLIE.
27th January 1862. | 205. JOSEPH LILLIE, of Duke Street, Adelphi, in the County of Middlesex, Engineer, for an invention for—"Improvements in the method of protecting ships' bottoms from fouling and in materials to be used therefor." <i>Letters Patent sealed.</i> |
| CARPENTER.
27th January 1862. | 206. SAMUEL ALFRED CARPENTER, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"An improvement or improvements in covering and combining strips or bands of steel for crinoline or crinoline skirts." <i>Letters Patent sealed.</i> |
| MARTINDALE.
27th January 1862. | 207. RALPH MARTINDALE, of Handsworth, in the County of Stafford, Gentleman, for an invention for—"Improvements in globes and glasses to be used with hydrocarbon lamps." <i>Letters Patent sealed.</i> |
| HARRISON.
27th January 1862. | 208. CHARLES WEIGHTMAN HARRISON, of Lorimer Road, Walworth, in the County of Surrey, Engineer, for an invention for—"Improvements in printing, stamping, embossing, perforating and other like operations, and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i> |
| ORR.
27th January 1862. | 209. WILLIAM ORR, of Greenock, in the County of Renfrew, North Britain, Sugar Refiner, for an invention for—"Improvements in machinery or apparatus for the manufacture of sugar." <i>Letters Patent sealed.</i> |
| SMITH.
27th January 1862. | 210. JOSEPH SMITH, of Spring Row, in Keighley, in the County of York, Machinist, for an invention for—"Improvements in the construction of covered rollers used in machinery for preparing, roving, spinning, twisting and doubling fibrous materials." <i>Provisional protection only.</i> |

WARREN. 27th January 1862.	211. WILLIAM WHITE WARREN, Gentleman, of No. 82, Parrock St., in the Parish of Milton, Gravesend, Kent, for an invention for—"The purpose of preventing the desecration of the dead for sanitary purposes, and providing a cheap and inexpensive mode of interment." <i>Provisional protection NOT granted.</i>
ROBOTHAM. HACKNEY. 27th January 1862.	212. THOMAS JOHN ROBOTHAM, of Burslem, Chemist, and NATHAN HACKNEY, of Hanley, Agent, both in the County of Stafford, for an invention for—"Improvements in purifying slip, glaze and other potters' materials." <i>Provisional protection only.</i>
LIST. 23th January 1862.	213. JAMEL LIST, of Carisbrooke, Isle of Wight, County of Hampshire, England, for an invention for—"An improved means and instrument for obtaining distances and heights and distances between distant objects, without computation." <i>Provisional protection only.</i>
TREPPASS. 28th January 1862.	214. HENRY HUGHES TREPPASS, of 14, St. George's Terrace, Barnsbury Park, in the County of Middlesex, for an invention for—"Improvements in the construction, use and employment of the kaleidoscope." <i>Letters Patent sealed.</i>
SMITH. SMITH. 28th January 1862.	215. STEPHEN SMITH and THOMAS SMITH, both of the Town and County of the Town of Nottingham, Cord and Twine Manufacturers, for an invention for—"Improvements in the manufacture of cord and twine from mill spun yarns." <i>Provisional protection only.</i>
HANKINS. 28th January 1862.	216. JAMES HANKINS, of the City of Bristol, Stone Mason, for an invention for—"A new composition or wash to be applied to marine and other steam-boilers to prevent incrustation." <i>Provisional protection only.</i>
HUNT. 28th January 1862.	217. JOHN HUNT, of Birmingham, in the County of Warwick, Brassfounder, for an invention for—"An improvement or improvements in the manufacture of gas and other chandeliers." <i>Letters Patent sealed.</i>
MENNONS. 28th January 1862.	218. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"Improvements in engines actuated by heated air or by combinations of air and steam."— <i>A communication from Jacques Belou (C.E.), a person resident at No. 12, Rue Saint Georges, Paris, France.</i> <i>Complete specification; Letters Patent sealed.</i>
MENNONS. 28th January 1862.	219. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"Improvements in the construction of looms for weaving."— <i>A communication from Claude Crozet, a person resident at No. 1, Rue de Lyon, Saint Etienne (Loire), in France.</i> <i>Provisional protection only.</i>
CHURCH. 28th January 1862.	220. ARTHUR HERBERT CHURCH, of 170, Great Portland Street, in the Parish of Saint Marylebone, in the County of Middlesex, Chemist, for an invention for—"Improvements in the means of preserving stone, brick, slate, wood, cement, stucco, plaster, whitewash and colour wash from the injurious action of atmospheric and other influences, also in the application of colours to the surfaces of stone, brick, slate, wood, cement, stucco, mortar, clay, plaster of paris, plaster, whitewash and colour wash, and in the retention of such colours thereon." <i>Letters Patent sealed.</i>
CULLING. 28th January 1862.	221. CHARLES CULLING, of Downham Market, Norfolk, for an invention for—"Improvements in fire arms." <i>Provisional protection only.</i>
LISTER. WARBURTON. 28th January 1862.	222. SAMUEL CUNLIFFE LISTER, and JAMES WARBURTON, of Manningham, near Bradford, in the County of York, Spinners, for an invention for—"Improvements in preparing cotton for spinning." <i>Letters Patent sealed; no specification filed.</i>
MORGAN. MORGAN. 28th January 1862.	223. GEORGE HENRY MORGAN and EDWARD MORGAN, both of Grand Junction Terrace, Edgware Road, in the County of Middlesex, for an invention for—"Improvements in carriages." <i>Letters Patent sealed.</i>
CHAPMAN. 28th January 1862.	224. GEORGE CHAPMAN, of Rutland Street, Leicester, for an invention for—"Improvements in rotating circular knitting frames." <i>Provisional protection only.</i>

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- DE RIDDER.
28th January 1862. 225. GUSTAVE JOSEPH NICHOLAS DE RIDDER, of No. 57, Rue Pigale, in the City of Paris, in the Empire of France, Engineer, for an invention for—"Improvements in railway carriages for the conveyance of travellers and goods."
Letters Patent sealed; no specification filed.
- NEWTON.
28th January 1862. 226. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in engines to be employed for pumping or forcing air or water, or for other purposes where a rectilinear motion is required."—*A communication to him from abroad by Wellington Lee, of New York, in the United States of America, Engineer.*
Letters Patent sealed.
- IRLAM.
28th January 1862. 227. WILLIAM IRLAM, of the Gibraltar Iron Works, Newton Heath, near the City of Manchester, Engineer, for an invention for—"Improvements in the construction of railway crossings and turntables."
Provisional protection only.
- BODMER.
WILSON.
28th January 1862. 228. RUDOLPH BODMER, of Newport, in the County of Monmouth, and WILLIAM WILSON, Foreman, in the employ of Messieurs Bodmer, Brothers, of Newport, aforesaid, for an invention for—"Improvements in the process of manufacturing artificial stones, parts of which improvements are also applicable to the manufacture of artificial fuel."
Letters Patent sealed.
- BRIERLEY.
29th January 1862. 229. JOHN HENRY BRIERLEY, of Park Terrace, Halifax, Manufacturer, Beech Hill Mills, Halifax, and 58, Aldermanbury, London, for an invention for—"An improved clasp or fastener for reversible belts, bands or straps."
Letters Patent sealed.
- CLAYTON.
SMITH.
29th January 1862. 230. THOMAS CLAYTON, Mechanic, and WILLIAM SMITH, Overlooker, both of Knowlwood, near Todmorden, in the County of Lancaster, for an invention for—"An improved flyer."
Provisional protection only.
- DE BOUTTEVILLE.
29th January 1862. 231. FRANÇOIS DELAMARE DE BOUTTEVILLE the younger, of Fontaine-le-Bourg, in the Departement of the Seine Inférieure, in the Empire of France, for an invention for—"Improvements in machinery applicable to the spinning of fibrous substances."
Letters Patent sealed.
- PULVÉ.
29th January 1862. 232. LOUIS ALEXANDRE PULVÉ, of No. 15, Passage des Petites Ecuries, in the City of Paris, in the Empire of France, Iron Chest Builder, for an invention for—"Improvements in fire-proof iron chests and strong boxes."
Provisional protection only.
- McKEAN.
GABBOTT.
29th January 1862. 233. JOHN McKEAN, of Walmer Bridge Mills, near Preston, in the County Palatine of Lancaster, Manufacturer, and JAMES GABBOTT, of the same place, Manager, for an invention for—"Improvements in sizing or dressing yarns or textile materials."
Letters Patent sealed.
- MERITON.
29th January 1862. 234. THOMAS MERITON, of No. 3, Leadenhall Street, in the City of London, and of Hamburg, Engineer, for an invention for—"Improvements in marine and other boilers for generating steam."
Letters Patent sealed.
- CLARK.
29th January 1862. 235. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the disintegration and bleaching of textile materials for the manufacture of paper."—*A communication to him from abroad by Mr. Jean Baptiste Michel Auguste Siry, of 29, Boulevard St. Martin, Paris, Jeweller.*
Letters Patent sealed.
- HARBY.
29th January 1862. 236. JAMES BENJAMIN HARBY, of Leytonstone, in the County of Essex, Rope Maker, for an invention for—"An improved method of preserving electric telegraph cables and wires."
Letters Patent sealed.
- BROOMAN.
29th January 1862. 237. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in machinery for puddling metals."—*A communication to him from abroad by François Dumeny and Firmin Lemut, both of Closmortier, near St. Dizier, France.*
Provisional protection only.
- FOSTER.
MOORE.
29th January 1862. 238. BENJAMIN FOSTER, of Denholme, in the County of York, Manufacturer, and JOHN MOORE, of the same place, Manager, for an invention for—"Improvements in machinery or apparatus for spinning and doubling wool and other fibrous materials."
Letters Patent sealed.

NEWTON. 29th January 1862.	239. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in printing machinery."— <i>A communication to him from abroad by Richard March Hoe, of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 29th January 1862.	240. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the boxes for the journals of railroad carriage and other axles."— <i>A communication to him from abroad by Davis Henry Dotterer, of Chicago, in the County of Cook, State of Illinois, United States of America.</i> <i>Letters Patent sealed.</i>
BEDSON. 29th January 1862.	241. GEORGE BEDSON, of Manchester, in the County of Lancaster, Manager, for an invention for—"Improvements in wire fences." <i>Provisional protection only.</i>
COLLIER. 29th January 1862.	242. MATTHEW COLLIER, of Failsworth, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
PHILLIPS. PHILLIPS. 30th January 1862.	243. GEORGE PHILLIPS the elder, Chemist, and GEORGE PHILLIPS the younger, Rectifier and Dealer in Spirits, both of 89, Holborn Hill, in the Parish of Saint Andrew, Holborn, in the City of London, for an invention for—"Improvements in the distillation and rectification of alcohols or spirits." <i>Letters Patent sealed.</i>
ALLEN. 30th January 1862.	244. MATTHEW ALLEN, of No. 14, Worship Street, in the Parish of St. Leonard, Shoreditch, in the County of Middlesex, Builder, for an invention for—"Improvements in the construction of buildings for the prevention of fire, and in the materials to be employed therein and therefor." <i>Letters Patent sealed.</i>
GONTARD. 30th January 1862.	245. THEOPHILUS GONTARD, of No. 16, Rue des Vieux Augustins, Paris, in the Empire of France, Physician, for an invention for—"Improved truss plates producing an upward pressure." <i>Letters Patent sealed.</i>
RIPPINGILLE. 30th January 1862.	246. EDWARD ALEXANDER RIPPINGILLE, of Staple Hill, near Bristol, for an invention for—"Improvements in engines worked by steam or other fluid, and in pumps." <i>Letters Patent sealed.</i>
FIRTH. 30th January 1862.	247. JAMES FIRTH, of the firm of Edwin Firth and Sons, of Flush Mills, Heckmondwike, near Leeds, in the County of York, for an invention for—"An improvement in finishing mohair cloth." <i>Letters Patent sealed.</i>
ROWBOTTOM. UNDERWOOD. 30th January 1862.	248. HENRY ROWBOTTOM and RICHARD UNDERWOOD, both of 31, Robert Street, Hoxton New Town, in the County of Middlesex, Watch Manufacturers, for an invention for—"Improvements in watches and pocket chronometers." <i>Provisional protection only.</i>
DAVIES. 30th January 1862.	249. WILLIAM DAVIES, of Elizabeth Place, Old Bethnal Green Road, in the County of Middlesex, Pattern Maker, for an invention for—"Improvements in apparatus for cutting corks and bungs." <i>Letters Patent sealed.</i>
CLARK. 30th January 1862.	250. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in mechanical wrenches."— <i>A communication to him from abroad by Messrs. Pierre Augustin Samuel and Auguste Toussaint Ozou-de-Verrie, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
MALOIS. 30th January 1862.	251. ALEXANDRÉ CÉSAR BARNABÉ MALOIS, Boot Maker, at Paris, in the Empire of France, of 29, Boulevard St. Martin, for an invention for—"Improvements in the manufacture of boot and shoe heels and in machinery to be used therein." <i>Provisional protection only.</i>
LAHOUSSE. 30th January 1862.	252. ADOLPHUS LAHOUSSE, of Brussels, in the Kingdom of Belgium, Mechanician, for an invention for—"Improvements in the manufacture of wheels for waggons, locomotive-engines and other vehicles used for railway-purposes." <i>Letters Patent sealed.</i>
LITTLEHALES. 31st January 1862.	253. DAVID LITTLEHALES, Japanner, of Brearley Street, West, Birmingham, in the County of Warwick, for an invention for—"An improved plastic compound as a substitute for papier maché." <i>Letters Patent sealed.</i>

WHITE. 31st January 1862.	254. HORATIO WHITE, of 13, Mornington Place, Hampstead Road, in the County of Middlesex, for an invention for—"Improvements in shirt collars." <i>Provisional protection only.</i>
SILVESTER. 31st January 1862.	255. JOHN SILVESTER, of the firm of George Salter and Company, of West Bromwich, in the County of Stafford, Manufacturers, for an invention for—"Improvements in pocket and other spring balances." <i>Provisional protection only.</i>
BAGGETT. SANGER. 31st January 1862.	256. FRANCIS BAGGETT, of Birmingham, in the County of Warwick, Gun Maker, and JOHN SANGER, of Aston, near Birmingham, aforesaid, Gun Maker, for an invention for—"An improvement or improvements in breech loading small arms." <i>Provisional protection only.</i>
SCHATTEN. 31st January 1862.	257. HERMANN SCHATTEN, of Hesse Cassel, Civil Engineer, for an invention for—"Improvements in the manufacture or construction of gas meters." <i>Letters Patent sealed.</i>
DODGE. 31st January 1862.	258. JOHN DODGE, of Little Portland Street, in the County of Middlesex, Carriage Builder, for an invention for—"Improvements in C springs for carriages when used without a perch." <i>Provisional protection only.</i>
WALTON. WALTON. 31st January 1862.	259. WILLIAM WALTON, of Manchester, and FREDERICK WALTON, of the British Grove Works, Chiswick, for an invention for—"Improvements in the manufacture of wire cards." <i>Letters Patent sealed.</i>
MEHRTENS. 31st January 1862.	260. GEORGE MEHRTENS, of No. 27½, Charles Street, Hampstead Road, in the County of Middlesex, for an invention for—"Improvements in ladies' stays and in the bodies of ladies' dresses." <i>Provisional protection only.</i>
HARGREAVES. 31st January 1862.	261. JOHN HARGREAVES, of No. 12, Clifton Cottages, Clifton Road, Peckham, in the County of Surrey, for an invention for—"Improvements in the manufacture of pipes or tubes for conveying water, gas, acids, sewage, enclosing electric telegraph wires and for other purposes, which improvements are also applicable to the manufacture of other vessels and articles, and in the machinery or apparatus connected therewith." <i>Provisional protection only.</i>
SCHEURWEGHS. DE BOISSEROLLE. 31st January 1862.	262. PIERRE SCHEURWEGHS, Distillator, and ALEXANDRE JOSEPH AURELE HENRY DE BOISSEROLLE, Manufacturer, both of Paris, in the French Empire, for an invention for—"Certain improvements in treating fatty and oily matters for obtaining their acidification, and in the apparatus employed therein." <i>Letters Patent sealed.</i>
PONTIFEX. 31st January 1862.	263. CHARLES PONTIFEX, junior, of 55, Shoe Lane, in the City of London, Coppersmith and Engineer, for an invention for—"Improvements in apparatus for cooling or heating fluids or liquids." <i>Provisional protection only.</i>
MONCKTON. 31st January 1862.	264. EDWARD HENRY CRADOCK MONCKTON, of Fineshade, in the County of Northampton, Esquire, for an invention for—"Improvements in the application of electricity for obtaining ammonia and other useful products during the combustion of coal and fuel, and in the apparatus employed therein." <i>Letters Patent sealed.</i>
STEVENS. 31st January 1862.	265. THOMAS STEVENS, of Coventry, in the County of Warwick, Ribbon Manufacturer, for an invention for—"Improvements in the manufacture of book markers." <i>Provisional protection NOT granted.</i>
GIBBINS. 31st January 1862.	266. JAMES GIBBINS, of No. 30, London Wall, in the City of London, Varnish Manufacturer, for an invention for—"An improved composition for coating wood, metal and other materials." <i>Provisional protection NOT granted.</i>
FORSYTH. 31st January 1862.	267. ALEXANDER FORSYTH, of Glasgow, in the County of Lanark, North Britain, Agent, for an invention for—"Improvements in the manufacture of frames and in tablets used for advertising purposes." <i>Provisional protection only.</i>
VERONIQUE. 31st January 1862.	268. CHARLES VERONIQUE, of Rue Thaitbout, Paris, in the Empire of France, Tailor, for an invention for—"An improved wrapper garment." <i>Provisional protection only.</i>
SMITH. 1st February 1862.	269. WILLIAM SMITH, of Bury, in the County of Lancaster, for an invention for—"Improvements in machinery for the manufacture of bricks, tiles or other articles of a similar nature or character." <i>Letters Patent sealed.</i>

FAUVEL. 1st February 1862.	270. LEON FAUVEL, of Paris, France, Manufacturer, for an invention for—"Improvements in apparatus for indicating the existence of escapes in gas tubing, and for stopping the continuance thereof." <i>Letters Patent sealed.</i>
BURKHARDT. DOEBLER. 1st February 1862.	271. ROBERT BURKHARDT and CARL DÖEBLER, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in aeolian harps." <i>Provisional protection only.</i>
PENDLEBURY. 1st February 1862.	272. JONATHAN PENDLEBURY, of Dukinfield, in the county of Chester, Engineer, for an invention for—"Improvements in the method of and apparatus for lubricating steam-engine cylinders, slides and other surfaces." <i>Provisional protection only.</i>
HILL. 1st February 1862.	273. JOHN HILL, of 212, Piccadilly, County of Middlesex, Travelling Equipage Maker, for an invention for—"Improvements in the construction of portable chairs and other articles for sitting or reclining on, road, children's, and invalid carriages, ambulances or vehicles for carrying sick or wounded persons." <i>Letters patent sealed.</i>
DEPREZ. 1st February 1862.	274. JOSEPH DEPREZ, of Anzin, in the department du Nord, in the empire of France, Engineer, for an invention for—"Improvements in machinery or apparatus for extracting coal, ores and other mineral substances from mines." <i>Provisional protection only.</i>
DAEHNE. 1st February 1862.	275. FRIEDRICH WILHELM DAEHNE, of Swansea, Glamorganshire, for an invention for—"Improvements in furnaces used in the manufacture of zinc." <i>Letters Patent sealed.</i>
COOK. 1st February 1862.	276. THOMAS COOK, of Coburg Road, Old Kent Road, in the County of Surrey, Machinist, for an invention for—"Improvements in machinery for punching, cutting and pressing metals and other materials." <i>Letters Patent sealed.</i>
HARRIS. 1st February 1862.	277. JOHN HARRIS, of Store Street, Tottenham Court Road, in the County of Middlesex, for an invention for—"Improvements in mattresses, squabs, pillows and other like articles of furniture." <i>Provisional protection only.</i>
COOK. 1st February 1862.	278. THOMAS COOK, of Coburg Road, Old Kent Road, in the County of Surrey, Machinist, for an invention for—"Improvements in machinery for folding envelopes." <i>Letters Patent sealed; no specification filed.</i>
CLARK. 1st February 1862.	279. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in machinery or apparatus for the manufacture of festooned edging or material."— <i>A communication to him from abroad by Mr. Jean Joseph Basset, proprietor, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
RIESBECK. BECKER. 1st February 1862.	280. FRANCIS RIESBECK and WILLIAM BECKER, both of Aldermanbury, in the City of London, Manufacturers, for an invention for—"Improvements in locks or fastenings for bags, porte-monnaies and other like articles having metal frames." <i>Letters Patent sealed.</i>
MENNONS. 1st February 1862.	281. MARC ANTOINE FRANÇOIS MENNON, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"Improved processes for the recovery of the oleic acid contained in the residual scouring waters of woollen and other textile materials or fabrics."— <i>A communication from Edmond Lepainteur, a person resident at Gallard, by Longeron (Maine et Loire), France.</i> <i>Letters Patent sealed.</i>
HILL. 3rd February 1862.	282. LAURENCE HILL, of Port Glasgow, in the County of Renfrew, North Britain, Shipbuilder, for an invention for—"Improvements in applying armour plating to war ships." <i>Letters Patent sealed.</i>
JOY. 3rd February 1862.	283. DAVID JOY, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for forging metals, also applicable to other purposes." <i>Letters Patent sealed.</i>
LANCASTER. 3rd February 1862.	284. CHARLES WILLIAM LANCASTER, of New Bond Street, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in strengthening cast-iron ordnance." <i>Letters Patent sealed.</i>

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| <p>STEVENS.
3rd February 1862.</p> | <p>285. CHARLES STEVENS, of 31, Charing Cross, in the County of Middlesex, Patent Agent, for an invention for—"An improved axle-tree."—<i>A communication to him from abroad by Victor Boulanger, of Paris, in the Empire of France.</i>
<i>Provisional protection only.</i></p> |
| <p>KING.
3rd February 1862.</p> | <p>286. JAMES JOHN KING, of Chase Lodge, Lavender Hill, Wandsworth Road, in the County of Surrey, Cabinet Maker, for an invention for—"Improvements in the fastenings of bedsteads, which fastenings are also applicable to other portable framework."
<i>Provisional protection only.</i></p> |
| <p>NEWTON.
3rd February 1862.</p> | <p>287. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for spinning."—<i>A communication to him from abroad by Henri Schlumberger, of Guebwiller, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> |
| <p>CLARK.
3rd February 1862.</p> | <p>288. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in processes for preserving and colouring wood, denominated xylochromic and xyloplastic processes."—<i>A communication to him from abroad by Messieurs Heinrich Sperl, Doctor Richard Hagen and Wolfgang Springer, of Nuremberg, Bavaria, representatives of the Xylochromic and Xyloplastic Product Company, of same place.</i>
<i>Letters Patent sealed.</i></p> |
| <p>MEEKINS.
4th February 1862.</p> | <p>289. THOMAS MOSSOM MEEKINS, LL.D., of the Inner Temple, Esquire, Barrister at Law, and of 44, Chancery Lane, in the County of Middlesex, for an invention for—"The production of a projectile and explosive force to be used in instruments of war, for an electric gas-gun and electric gas-shell, for a method of using the recoil of weapons for the purpose of increasing the pressure of elastic fluids for the production of a projectile force, for a method of rapidly loading weapons at the breech, and of a motive force to be used in an electric gas engine or other engines."
<i>Letters Patent sealed.</i></p> |
| <p>MANWARING.
4th February 1862.</p> | <p>290. GEORGE MANWARING, of Southampton, in the County of Hants, Engineer, for an invention for—"Improvements in flushing apparatus for closets, sewers and other water services."
<i>Letters Patent sealed.</i></p> |
| <p>ROULLIER,
4th February 1862.</p> | <p>291. CHARLES MARIEN ROULLIER, of Paris, Manufacturer, for an invention for—"Improvements in the manufacture of straps, bands, chains and other like articles."
<i>Letters Patent sealed.</i></p> |
| <p>GARDILANNE.
4th February 1862.</p> | <p>292. PAUL GARDILANNE, of Dax, in the Department of the Landes, in the Empire of France, Gentleman, for an invention for—"Improvements in the manufacture of metallic wire fencing."
<i>Provisional protection only.</i></p> |
| <p>NORTON.
4th February 1862.</p> | <p>293. JAMES LEE NORTON, of No. 38, Belle Sauvage Yard, Ludgate Hill, in the City of London, for an invention for—"Improvements in beating, stretching and drying fabrics and in the apparatus employed therein, part of which apparatus is also applicable for thrashing linseed."—<i>The result partly of a communication from abroad made to him by William Aldon, of 28, Boulevard Bonne Nouvelle, Paris, in the Empire of France, and partly of invention and discovery made by himself.</i>
<i>Letters Patent sealed.</i></p> |
| <p>BROOMAN.
4th February 1862.</p> | <p>294. RICHARD ARCHICALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of hard and soft soaps, and in the preparation of liquids for washing linen and other textile fabrics."—<i>A communication to him from abroad by Léo Bachellerie, of Paris, France.</i>
<i>Provisional protection only.</i></p> |
| <p>GREENWOOD.
4th February 1862.</p> | <p>295. JOHN GREENWOOD, of Portland Mills, Bradford, in the County of York, Worsted Spinner, for an invention for—"Improvements in means or apparatus for preparing and combing wool and other fibres."
<i>Provisional protection only.</i></p> |
| <p>WILLIAMSON.
4th February 1862.</p> | <p>296. WELBURN WILKS WILLIAMSON, of High Holborn, in the County of Middlesex, Mechanical Engineer, for an invention for—"Improvements in apparatus for drying clothes and fabrics."
<i>Provisional protection only.</i></p> |
| <p>WEBSTER.
4th February 1862.</p> | <p>297. JAMES WEBSTER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in gas fittings."
<i>Letters Patent sealed.</i></p> |

NEWTON. 4th February 1862.	298. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of iron and steel."— <i>A communication to him from abroad by John Gardner and Henry Richard Gardner, both of the City and State of New York, in the United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
GALLAFENT. 5th February 1862.	299. DANIEL GALLAFENT, of 15, Stepney Causeway, in the County of Middlesex, Engineer, for an invention for—"Certain improvements in the mode or modes of generating or producing elastic vapours to be used as a motive-power." <i>Letters Patent sealed.</i>
TAYLOR. 5th February 1862.	300. WILLIAM EDWARD TAYLOR, of Enfield, near Accrington, in the County of Lancaster, Cotton Spinner and Manufacturer, for an invention for—"Certain improvements in carding-engines." <i>Letters Patent sealed.</i>
KING. 5th February 1862.	301. JOHN KING, of Chadshunt, in the County of Warwick, Farmer, for an invention for—"Improvements in lubricators for lubricating the moving parts of machinery." <i>Provisional protection only.</i>
SMITH. SWINNERTON. 5th February 1862.	302. EDWARD FISHER SMITH, of Dudley, in the County of Worcester, Agent, and THOMAS SWINNERTON, of Dudley aforesaid, Blast Furnace Manager, for an invention for—"An improvement or improvements in the manufacture of coke." <i>Letters Patent sealed.</i>
BROWNING. 5th February 1862.	303. JOHN BROWNING, of the Minories, in the City of London, Optician, for an invention for—"Improvements in aneroid barometers." <i>Provisional protection only.</i>
ASHWORTH. 5th February 1862.	304. HENRY ASHWORTH, of Littleborough, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in machinery or apparatus employed in spinning cotton and other fibrous substances." <i>Letters Patent sealed.</i>
HARRISON. 5th February 1862.	305. EDWARD HARRISON, of Oldham, in the County of Lancaster, Schoolmaster, for an invention for—"A certain compound or certain compounds to be used as a substitute for gunpowder." <i>Provisional protection only.</i>
CAMPION. JOHNSON. 5th February 1862.	306. WILLIAM CAMPION and HENRY JOHNSON, both of the Town and County of the Town of Nottingham, Sewing and Stitching Machine Manufacturers, for an invention for—"Improvements in machinery or apparatus for making the welts of hose or other articles made of looped or knitted fabrics." <i>Provisional protection only.</i>
LEE. 5th February 1862.	307. JESSE LEE, of Church Gate, in the Borough of Leicester, Engineer, for an invention for—"Improvements in traction engines." <i>Provisional protection only.</i>
PAYNE. 5th February 1862.	308. JOHN BELLAMY PAYNE, of Chard, in the County of Somerset, Engineer and Lace Manufacturer, for an invention for—"Improvements in the treatment or preparation of hemp, flax and other analogous fibrous substances for spinning." <i>Letters Patent sealed.</i>
NEWTON. 5th February 1862.	309. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in fire-arms."— <i>A communication to him from abroad by Caleb Hannum Bradley and Gideon Miles, of West Chester, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
CALOW. HIRST. 6th February 1862.	310. CHARLES CALOW, of Newton Heath, near Manchester, in the County of Lancaster, Pattern Maker, and JOHN WILLIAM HIRST, of the City of Manchester aforesaid, Machinist, for an invention for—"Improvements in slide valves for steam-engines and other similar purposes." <i>Provisional protection only.</i>
BAMLETT. 6th February 1862.	311. ADAM CARLISLE BAMLETT, of Middleton Tyas, near Richmond, in the County of York, Farmer, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
PITKIN. 6th February 1862.	312. JAMES PITKIN, of Clerkenwell, in the County of Middlesex, Philosophical Instrument Maker, for an invention for—"An improvement in aneroid barometers." <i>Provisional protection only.</i>
RUSSELL. 6th February 1862.	313. ROBERT RUSSELL, of Derby, in the County of Derby, Stove Grate Manufacturer, for an invention for—"Improvements in stove grates and kitchen ranges." <i>Provisional protection only.</i>

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| <p>SHORTREDE.
6th February 1862.</p> <p>ASTLEY.
LEIGHTON.
6th February 1862.</p> <p>HENRY.
6th February 1862.</p> <p>WILLIS.
6th February 1862.</p> <p>BELLHOUSE.
DORNING.
6th February 1862.</p> <p>JOHNSON.
6th February 1862.</p> <p>TONKIN.
6th February 1862.</p> <p>DUNNICLIFF.
6th February 1862.</p> <p>BROOMAN.
7th February 1862.</p> <p>LLOYD.
7th February 1862.</p> <p>SHAW.
7th February 1862.</p> <p>SILVER.
7th February 1862.</p> <p>GEDGE.
7th February 1862.</p> <p>MCKENZIE.
PANTHEL.
7th February 1862.</p> | <p>314. ROBERT SHORTREDE, of Brighton, in the County of Sussex, Colonel in Her Majesty's Indian Army, for an invention for—"Improvements in the construction of ships of war with armour plates." <i>Provisional protection only.</i></p> <p>315. PETER HYDE ASTLEY, of No. 4, Matthews Place, Stratford, Essex, and CROSBY LEIGHTON, of 3, Manby Grove, Manby Park, Stratford, Essex, for an invention for—"Improvements in the construction of life boats, applicable also to ships' boats, gun boats and other vessels." <i>Letters Patent sealed.</i></p> <p>316. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in obtaining and applying motive-power and raising and forcing fluids, and in apparatus employed therein."—<i>A communication to him from abroad by Louis Coignard, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i></p> <p>317. EDWARD COOPER WILLIS, of Addison Road, Kensington, in the County of Middlesex, Bachelor of Medicine, for an invention for—"Improvements in the treatment of wax and other substances of a similar nature." <i>Provisional protection only.</i></p> <p>318. EDWARD TAYLOR BELLHOUSE, of Manchester, in the county of Lancaster, Engineer, and WILLIAM JOHN DORNING, of the same place, Engineer, for an invention for—"Improvements in the construction of hydrostatic presses suitable for packing and compressing cotton and other materials." <i>Letters Patent sealed.</i></p> <p>319. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the preparation of pulp for paper."—<i>A communication to him from abroad by Paul Emile Mollet, of Paris, in the empire of France.</i> <i>Provisional protection only.</i></p> <p>320. JOHN TONKIN, the younger, of Pool, in the Parish of Illogan, in the County of Cornwall, for an invention for—"Improvements in the manufacture of gunpowder." <i>Letters Patent sealed.</i></p> <p>321. JOHN DEARMAN DUNNICLIFF, of Nottingham, for an invention for—"Improvements in the manufacture of lace or net bonnet fronts and other similar articles, and in apparatus used in this manufacture." <i>Provisional protection only.</i></p> <p>322. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in stereoscopic albums, books and cases."—<i>A communication to him from abroad by Louis Francois Saugrin of Paris, France.</i> <i>Letters Patent sealed.</i></p> <p>323. JOHN LLOYD, of Donnington, in the County of Shropshire, Engineer to the Lilleshall Iron Company, for an invention for—"Improvements in buffers for engines and carriages on railways." <i>Provisional protection only.</i></p> <p>324. PETER SHAW, of the City of Edinburgh, Gentleman, for an invention for—"Improvements in lamps." <i>Letters Patent sealed.</i></p> <p>325. HUGH ADAMS SILVER, of Silvertown, in the County of Essex, Manufacturer, for an invention for—"Improvements in the manufacture of trays, cases and other similar articles and bottles in ebonite, vulcanite or other hard india-rubber." <i>Letters Patent sealed.</i></p> <p>326. WILLIAM EDWARD GEDGE, of the firm of John Gedge and son., of No. 11, Wellington Street, Strand, in the county of Middlesex, Patent Agent, for an invention for—"An improved portable thrashing and winnowing machine, and apparatus for working same by horse power."—<i>A communication to him from abroad by Alexandre François Serrin, of No. 15, Passage des Petites Ecuries, Paris, France.</i> <i>Provisional protection only.</i></p> <p>327. ALEXANDER MCKENZIE, of Glasgow, in the County of Lanark, North Britain, Engineer, and FRANCIS PANTHEL, of the same place, Machinist, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i></p> |
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CLARK. 7th February 1862.	328. WILLIAM CLARK, of 53, Chancery Lane, in the county of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in preserving timber which are particularly applicable to the timbers of ships or other maritime structures."— <i>A communication to him from abroad by Mr. Henri de Lapparent, of 29, Boulevard St. Martin, Paris, in the empire of France, Director of Naval Constructions.</i> <i>Letters Patent sealed.</i>
MACAULAY. NOTLEY. 7th February 1862.	329. HENRY MACAULAY and ALPHONSO FLORENCIO NOTLEY, both of Rotherham, in the County of York, for an invention for—"Improvements in fire guards." <i>Provisional protection only.</i>
BARTHOLOMEW. 7th February 1862.	330. WILLIAM HAMMOND BARTHOLOMEW, of 2, Warwick Villas, Leeds, in the County of York, for an invention for—"Improvements in barges or vessels suitable for the navigation of canals and rivers." <i>Letters Patent sealed.</i>
BRINSMEAD. 7th February 1862.	331. HENRY BRINSMEAD, of Ipswich, in the County of Suffolk, Machinist, for an invention for—"Improvements in apparatus for moving, elevating, cleaning and dressing grain." <i>Provisional protection only.</i>
WOODHOUSE. 8th February 1862.	332. JOHN SENIOR WOODHOUSE, of Cheapside, in the City of London, Warehouseman, for an invention for—"Improvements in hooped skirts." <i>Provisional protection only.</i>
HOWIE. 8th February 1862.	333. JOHN HOWIE, of Hurlford Colliery, Kilmarnock, Scotland, Coal Master, for an invention for—"Improvements in regulating the consumption of fuel in furnaces." <i>Provisional protection only.</i>
KNIGHT. 8th February 1862.	334. JOHN ADAMS KNIGHT, of No. 4, Symonds Inn, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in washing-machines."— <i>A communication from Riley Porter Wilson, a person resident at New York, United States of America.</i> <i>Provisional protection only.</i>
TOLHAUSEN. 8th February 1862.	335. FREDERICK TOLHAUSEN, Civil Engineer and Patent Agent, of No. 35, Boulevard Bonne-Nouvelle, Paris, in the empire of France, for an invention for—"Improvements in the manufacture of the tyres of railway wheels, and in apparatus for such purpose."— <i>A communication to him from Antoine Duplay, a person resident at No. 17, Rue du Faubourg Montmartre, Paris.</i> <i>Letters Patent sealed.</i>
WEBSTER. 8th February 1862.	336. JAMES WEBSTER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"An improvement or improvements in the manufacture of certain descriptions of nails, bolts, spikes, and pins." <i>Provisional protection only.</i>
CARRINGTON. 8th February 1862.	337. JAMES CARRINGTON, of Queen's Gate Mews, Kensington, in the County of Middlesex, Groom, for an invention for—"Improvements in the construction and fitting up of stalls and horse boxes." <i>Letters Patent sealed.</i>
MENNONS. 10th February 1862.	338. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"Improvements in the treatment of coprolites and other fossil phosphates of lime."— <i>A communication from Guillaume Louis Edouard Buran and Louis Goupy, persons resident at No. 17, Rue du Grand St. Michel, Paris, France.</i> <i>Letters Patent sealed.</i>
MENNONS. 10th February 1862.	339. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"Improved apparatus for the administration of vapour baths."— <i>A communication from Eliacin Edouard Pomier (M.D.), a person resident at Egriselles-le-Bocage (Yonne), in France.</i> <i>Letters Patent sealed.</i>
DICKSON. 10th February 1862.	340. JAMES DICKSON, of 66, Tollington Road, Holloway, in the County of Middlesex, Gentleman, for an invention for—"Improvements in voltaic apparatus, and in the production of voltaic electricity." <i>Letters Patent sealed.</i>
PHILP. PHILP. 10th February 1862.	341. RICHARD PHILP and JOHN PHILP, of Lower John St., Golden Square, in the County of Middlesex, Civil Engineers, for an invention for—"An improvement in propellers for propelling ships, boats and other vessels in water." <i>Provisional protection only.</i>

BUSFIELD. EASTWOOD. 10th February 1862.	342. JOHN BUSFIELD, of Bradford, in the County of York, Worsted Spinner, and JONATHAN EASTWOOD, of the same place, Machine Maker, for an invention for—"Improvements in machinery or apparatus for preparing wool for dyeing and spinning." <i>Provisional protection only.</i>
PIM. FAWCUS. 10th February 1862.	343. BEDFORD CLAPPERTON TREVELYAN PIM, of the Junior United Service Club, Saint James's, Commander in the Royal Navy, and GEORGE FAWCUS, of North Shields, in the County of Northumberland, Ship Builder, for an invention for—"Improvements in uniting iron plates, and in uniting and fixing armour plates on ships and other structures." <i>Provisional protection only.</i>
BODMER. 10th February 1862.	344. LOUIS RUDOLPH BODMER, of 2, Thavies Inn, in the City of London, for an invention for—"Improvements in hydraulic oil presses." <i>Provisional protection only.</i>
SMITH. 10th February 1862.	345. GEORGE SMITH, of Holland Grove, North Brixton, in the County of Surrey, for an invention for—"Improvements in shawls." <i>Letters Patent sealed.</i>
DANKS. 10th February 1862.	346. JOSHUA DANKS, of 56, Webber Row, Waterloo Road, in the County of Surrey, Mat and Matting Manufacturer, for an invention for—"Improvements in the manufacture of door mats and hearth rugs." <i>Provisional protection only.</i>
CLARK. 10th February 1862.	347. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in reflectors." — <i>A communication to him from abroad by Mr. Louis Jacques Château, of 29, Boulevard St. Martin, Paris, formerly Notary.</i> <i>Letters Patent sealed.</i>
MUNCK. MYHRE. 10th February 1862.	348. ANTHONY MUNCK, Master Mariner, & HELGE AUGUST MYHRE, Watch Maker, both of Berners Street, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in ships' logs." <i>Provisional protection only.</i>
CLARK. 10th February 1862.	349. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in refining cast-iron, wrought and other malleable iron, and in the cementation of iron."— <i>A communication to him from abroad by Messrs. Louis Joseph Frédéric Margueritte, Chemist, and Alfred Lalouët de Sourdeval, Proprietor, both of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
WEAVER. GALL. 11th February 1862.	350. WILLIAM HENRY WEAVER, of Erdington, Bridgnorth, in the County of Salop, Agricultural Engineer, and CHARLES GALL, of Bridgnorth, in the said County, Engineer, for an invention for—"Improvements in machinery for cultivating, ploughing, harrowing or scarifying the land." <i>Provisional protection only.</i>
FYFE. 11th February 1862.	351. THOMAS FYFE, of 46, Leicester Square, in the County of Middlesex, Engineer, for an invention for—"Improvements in knapsacks, and in apparatus for supporting them or other similar burdens upon the shoulders." <i>Letters Patent sealed.</i>
BONELL. SPRING. 11th February 1862.	352. CORNELIUS BONELL, of Wednesbury, in the County of Stafford, Engineer, and WILLIAM MORTIMER SPRING, of Wednesbury, aforesaid, Engineer, for an invention for—"A new or improved rotary engine." <i>Provisional protection only.</i>
SUTTON. 11th February 1862.	353. ELLIS SUTTON, of Radcliffe, in the County of Lancaster, Cotton Spinner, for an invention for—"A certain improvement in machinery or apparatus for preparing cotton and other fibrous substances for spinning." <i>Provisional protection only.</i>
MACNAB. 11th February 1862.	354. WILLIAM MACNAB, of Greenock, in the County of Renfrew, North Britain, Engineer, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
LYALL. 11th February 1862.	355. WILLIAM LYALL, of Amiens, in the Departement de la Somme, France, for an invention for—"Improvements in machinery for preparing flax, hemp and other fibrous substances." <i>Letters Patent sealed.</i>
WOOD. 11th February 1862.	356. WILLIAM WOOD, of Monkhill, Pontefract, in the County of York, for an invention for—"Improvements in the process of manufacturing pomfret or liquorice cakes." <i>Letters Patent sealed.</i>

JOHNSON. 11th February 1862.	357. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in smoothing-irons."— <i>A communication to him from abroad by Charles Jean Baptiste Eugène Cailloué, of Paris, in the Empire of France.</i> <i>Complete Specification; Letters Patent sealed.</i>
BRINSMEAD. 11th February 1862.	358. JOHN BRINSMEAD, of Charlotte Street, Fitzroy Square, in the County of Middlesex, Pianoforte Manufacturer, for an invention for—"Improvements in pianofortes." <i>Letters Patent sealed.</i>
JOHNSON. 11th February 1862	359. RICHARD JOHNSON, of Manchester, in the County of Lancaster, Wire Drawer, for an invention for—"Improvements in welded wires used for telegraphic and other purposes." <i>Letters Patent sealed.</i>
LINDEMANN. 11th February 1862.	360. GUSTAV LINDEMANN, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in applying gas for the purpose of singeing or dressing yarns or threads and woven fabrics, and for obtaining heat for other purposes." <i>Letters Patent sealed.</i>
McCOMB. 11th February 1862.	361. JAMES JENNINGS McCOMB, of Pump Court, Temple, in the County of Middlesex, Gentleman, for an invention for—"An improved fastening for securing cotton and other bales or packages." <i>Letters Patent sealed.</i>
BOLTON. 11th February 1862.	362. FRANCIS JOHN BOLTON, of 7, Bolton Row, Mayfair, in the County of Middlesex, Captain in H.M.'s 12th Regiment of Foot, for an invention for—"Improvements in rifle and gun stoppers and oil bottles." <i>Letters Patent sealed.</i>
HETHERINGTON. 11th February 1862.	363. JOHN HETHERINGTON, of Manchester, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for preparing cotton and other fibrous materials for spinning." <i>Letters Patent sealed.</i>
AMAN. 12th February 1862.	364. GODFREY JOACHIM AMAN, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"Improvements in envelopes or bags to hold grain or similar substances for transmission by post or as parcels." <i>Letters Patent sealed.</i>
TOLHAUSEN. 12th February 1862.	365. FREDERICK TOLHAUSEN, Civil Engineer and Patent Agent, 17, Rue du Faubourg Montmartre, Paris, in the Empire of France, for an invention for—"Improvements in the construction of vertical steam-boilers."— <i>A communication from Jean Larmanjat, Mechanical Engineer, a person resident at No. 24, Rue du Mail, Paris.</i> <i>Letters Patent sealed.</i>
ROBB. 12th February 1862.	366. JOHN ROBB, of the City of Aberdeen, North Britain, Merchant, for an invention for—"Improvements in ventilation and in apparatus employed for that purpose." <i>Letters Patent sealed.</i>
BRICKHILL. 12th February 1862.	367. JAMES BRICKHILL, of No. 5, Stepney Causeway, Commercial Road East, in the County of Middlesex, Mechanic, for an invention for—"Improvements in the cylinders and pistons of steam-engines." <i>Letters Patent sealed.</i>
COLTMAN. 12th February 1862.	368. THOMAS COLTMAN, of Leicester, Machinist, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
HINSHAW. 12th February 1862.	369. ANDREW HINSHAW, of Aldermanbury Postern, in the City of London, Manufacturer, for an invention for—"Improvements in hooped skirts."— <i>A communication to him from abroad by John Coulthard Kelley, of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BROOMAN. 12th February 1862.	370. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in preparing and ornamenting cast iron and other metals, in order to fit them for articles of furniture and decoration and other similar uses."— <i>A communication to him from abroad by Jean Baptiste Godin, of Guise, France.</i> <i>Letters Patent sealed.</i>
JOSEPH. 12th February 1862.	371. JOHN STEPHEN JOSEPH, of Rhostyllan, near Wrexham, in the County of Denbigh, North Wales, for an invention for—"Improvements in coke ovens and in utilizing the waste heat from the same." <i>Letters Patent sealed.</i>
SPENCER. 12th February 1862.	372. THOMAS SPENCER, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in propellers for navigable vessels and engines for actuating the same, parts of which are applicable to other purposes." <i>Letters Patent sealed.</i>

SAMUELSON. 12th February 1862.	373. ALEXANDER SAMUELSON, of 28, Cornhill, in the City of London, for an invention for—"Improvements in building ships and vessels." <i>Letters Patent sealed.</i>
HORSLEY. 12th February 1862.	374. THOMAS HORSLEY, junior, of 10, Coney Street, York, Gun Maker, for an invention for—"Improvements in breech loading fire-arms." <i>Letters Patent sealed.</i>
NEWTON. 13th February 1862.	375. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in projectiles."— <i>A communication to him from abroad by James Woodbury & Solomon Gray, both of Boston, County of Suffolk, and State of Massachusetts, United States of America.</i> <i>Provisional protection only.</i>
JOSEPH. 13th February 1862.	376. JOHN STEPHEN JOSEPH, of Rhostyllan, near Wrexham, in the County of Denbigh, North Wales, for an invention for—"An improved retort oven and the utilization of the spare heat from the same." <i>Letters Patent sealed.</i>
PETERS. 13th February 1862.	377. JOHN PETERS, of Ulverston, in the County of Lancaster, Engineer, for an invention for—"Improvements in portable steam-engines applicable to locomotive, stationary and marine engines." <i>Provisional protection only.</i>
MENNONS. 13th February 1862.	378. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"Improvements in the disinfection of animal excretions and in the extraction therefrom of fertilizing elements for agricultural purposes."— <i>A communication from Alfred Marie Celestin Edgard Goussard, a person resident at No. 16, Rue d'Enghien, Paris, France.</i> <i>Complete specification; Letters Patent sealed.</i>
WILLIAMS. 13th February 1862.	379. WILLIAM WILLIAMS, of Bath, in the County of Somerset, Pianoforte Maker, for an invention for—"Improvements in pianofortes." <i>Letters Patent sealed.</i>
HEWITT. 13th February 1862.	380. WILLIAM HEWITT, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in rein holders." <i>Letters Patent sealed.</i>
EBBUTT. 13th February 1862.	381. ALFRED CHARLES EBBUTT, Upholsterer, of 25, Blackman Street, Boro' of Southwark, and 20, 33, and 34, High Street, Croydon, in the County of Surrey, for an invention for—"Improvements in reclining, easy and other chairs." <i>Letters Patent sealed.</i>
BROWN. 13th February 1862.	382. WILLIAM HENRY BROWN, of Camberwell, in the County of Surrey, Paymaster, Royal Navy, for an invention for—"An improvement in yards fore and aft, booms and gaffs." <i>Provisional protection only.</i>
ABEL. 13th February 1862.	383. CHARLES DENTON ABEL, of 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in towing boats or other vessels on rivers and in apparatus employed for that purpose."— <i>A communication to him from abroad by Jean François Cail, residing in Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
DAVISON. 13th February 1862.	384. THOMAS DAVISON, of Belfast, in the County of Antrim, Ireland, Engineer, for an invention for—"Improved means for preventing the corroding of steam-boilers." <i>Letters Patent sealed.</i>
FALCONER. 13th February 1862.	385. FRANCIS FALCONER, of Glasgow, in the county of Lanark, North Britain, Warehouseman, for an invention for—"Improvements in glasses for lamps." <i>Provisional protection only.</i>
LAWTON. LAWTON. 13th February 1862.	386. JOSEPH FEARNs LAWTON and JOHN LAWTON, of Vale Mill, Micklehurst, near Stalybridge, in the County of Cheshire, for an invention for—"Improvements in the manufacture of flannel for shirtings and other articles of apparel." <i>Letters Patent sealed.</i>
HORNSBY. 13th February 1862.	387. RICHARD HORNSBY, Junior, of the Spittlegate Works, Grantham, in the County of Lincoln, for an invention for—"Improvements in apparatus for thrashing, elevating, cleansing and separating grain, and in apparatus for elevating straw." <i>Letters Patent sealed.</i>

ALLEN. 13th February 1862.	388. WILLIAM DANIEL ALLEN, of Laithfield House, Norfolk Road, Sheffield, for an invention for—"Improvements in the manufacture of stamp heads and beds employed in crushing ores and other mineral substances." <i>Letters Patent sealed.</i>
BURROWS. 13th February 1862.	389. GEORGE CRISP BURROWS, of Stoke Holy Cross, in the County of Norfolk, Yeoman, for an invention for—"Improvements in lounges, seats or other apparatus for sitting or reclining on, which improvements are also applicable to rocking-horses." <i>Letters Patent sealed.</i>
ALLEN. STEWART. 13th February 1862.	390. EDWARD ELLIS ALLEN, of 5, Parliament Street, in the County of Middlesex, Engineer, and JOHN STEWART, of Blackwall, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of steam-engines." <i>Letters Patent sealed.</i>
McCONNELL. 13th February 1862.	391. JAMES EDWARD McCONNELL, of Wolverton, in the County of Buckingham, Engineer, for an invention for—"Improvements in parts of boilers and furnaces for locomotive and other engines." <i>Provisional protection only.</i>
GREEN. NEWMAN. 13th February 1862.	392. EDWIN GREEN, of the firm of Green and Cadbury, Button Manufacturers, of Birmingham, in the County of Warwick, and JAMES NEWMAN, Jeweller, also of Birmingham, aforesaid, for an invention for—"Certain improvements in buttons for fastening and ornamenting articles of dress." <i>Letters Patent sealed.</i>
McCONNELL. 13th February 1862.	393. JAMES EDWARD McCONNELL, of Wolverton, in the County of Buckingham, Engineer, for an invention for—"Improvements in railway breaks, and in warming railway carriages." <i>Letters Patent sealed.</i>
JANSEN. 13th February 1862.	394. ADOLPHUS JANSEN, of Brussels, in the Kingdom of Belgium, Arquebusier, for an invention for—"A new ball for fire-arms." <i>Provisional protection only.</i>
VALENTIN. 13th February 1862.	395. WILLIAM GEORGE VALENTIN, of the Royal College of Chymistry, Government School of Mines, Oxford Street, in the County of Middlesex, Chymist, for an invention for "An improved mode of and apparatus for coking coal." <i>Letters Patent sealed.</i>
WHITFIELD. 14th February 1862.	396. SAMUEL BENJAMIN WHITFIELD, of Birmingham, in the county of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of iron bedsteads, and in the manufacture of ornamental iron tubes or columns for the construction and ornamentation of iron bedsteads." <i>Letters Patent sealed.</i>
DODSON. 14th February 1862.	397. ARTHUR JOHN DODSON, of Clapham, in the County of Surrey, Civil Engineer, for an invention for—"An improved composition for coating, covering or protecting ships' bottoms, applicable also for coating or covering railway sleepers, telegraphic wires and other surfaces, and likewise as a cement, and as a substitute for metal for certain constructive purposes." <i>Provisional protection only.</i>
CLARK. 14th February 1862.	398. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in mounting and fixing the handles or knobs of doors, furniture and other articles."— <i>A communication to him from abroad by Mr. Félix Hilaire Gallinard, of 29, Boulevard St. Martin, Paris, Commission Agent.</i> <i>Provisional protection only.</i>
McFARLANE. 14th February 1862.	399. THOMAS DUNCAN McFARLANE, of Glasgow, in the County of Lanark, North Britain, Machinist, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
JOHNSON. 14th February 1862.	400. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in machinery or apparatus for propelling ships and boats."— <i>A communication to him from abroad by Charles Arnaud and Joseph Labriola, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
SMITH. COVENTRY. 14th February 1862.	401. WILLIAM FORD SMITH and ARTHUR COVENTRY, of "Gresley Iron Works," Ordsal Lane, Salford, in the County of Lancaster, Engineers and Machinists, for an invention for—"Improvements in and applicable to lathes for turning and cutting screws." <i>Provisional protection only.</i>
COLWELL. 15th February 1862.	402. HENRY COLWELL, of No. 14, Davies Street, in the Parish of Saint George, Hanover Square, in the County of Middlesex, Truss Maker, for an invention for—"An improved truss for hernia, prolapsus uteri, and prolapsus ani." <i>Provisional protection NOT granted.</i>

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| <p>RENISON.
15th February 1862.</p> | <p>403. THOMAS RENISON, of Glasgow, in the county of Lanark, North Britain, Plumber, for an invention for—"Improvements in waterclosets."
<i>Letters Patent sealed.</i></p> |
| <p>JOHNSON.
15th February 1862.</p> | <p>404. JOHN HENRY JOHNSON, of 47, 'Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain Gentleman, for an invention for—"Improvements in electro-magnetic time-keepers."—<i>A communication to him from abroad by John Henry Koozen, of Dresden, in the Kingdom of Saxony.</i>
<i>Provisional protection only.</i></p> |
| <p>AVERY.
15th February 1862.</p> | <p>405. WILLIAM AVERY, of the firm of James and Sons, of Birmingham, in the County of Warwick, Screw Manufacturers, for an invention for—"Improvements in machinery for the manufacture of screws, a part or parts of which improvements may also be used in the manufacture of pins, rivets and nails."
<i>Letters Patent sealed.</i></p> |
| <p>LAW.
15th February 1862.</p> | <p>406. GEORGE HENRY LAW, of 17, Rochester Road, Camden New Town, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of steam and other boilers."
<i>Provisional protection only.</i></p> |
| <p>WALL.
DODD.
15th February 1862.</p> | <p>407. JOSEPH WALL, of Liverpool, in the County of Lancaster, Plumber, and THOMAS DODD, also of Liverpool, aforesaid, Glass Merchant, for an invention for—"Improvements in the construction and arrangement of apparatus for regulating the flow or passage of 'fluids.'"
<i>Provisional protection only.</i></p> |
| <p>TURNER.
SHAW.
15th February 1862.</p> | <p>408. CORNELIUS TURNER, of the Airedale Woollen Felt Mills, Leeds, in the County of York, Manufacturer, and JACK SHAW, of the same place, Manager, for an invention for—"Improvements in felted fabrics."
<i>Letters Patent sealed.</i></p> |
| <p>HORSLEY.
15th February 1862.</p> | <p>409. THOMAS HORSLEY, of 10, Coney Street, York, for an invention for—"Improvements in apparatus for turning and closing the cartridges of breech loading fire-arms."
<i>Provisional protection only.</i></p> |
| <p>COOKE.
15th February 1862.</p> | <p>410. JOHN COOKE, of Willington, in the County of Durham, Mining Engineer, for an invention for—"Improvements in the method of propelling ships and other vessels."
<i>Letters Patent sealed.</i></p> |
| <p>KYLE.
15th February 1862.</p> | <p>411. DAVID DUNNE KYLE, of Victoria Street, Westminster, for an invention for—"An improved method of communicating or signalling in and with railway trains."
<i>Provisional protection only.</i></p> |
| <p>BUNTING.
15th February 1862.</p> | <p>412. RICHARD BUNTING, of Sheffield, in the County of York, Spring Knife Manufacturer, for an invention for—"Improvements in the manufacture of bolsters and scales, and in machinery employed therein."
<i>Letters Patent sealed.</i></p> |
| <p>CHATTERTON.
SMITH.
15th February 1862.</p> | <p>413. JOHN CHATTERTON, of Highbury, in the County of Middlesex, Engineer, and WILLOUGHBY SMITH, of Dalston, in the same county, Electrician, for an invention for—"Improvements in telegraph cables."
<i>Letters Patent sealed.</i></p> |
| <p>BELL.
15th February 1862.</p> | <p>414. ROBERT BELL, of 41, Westland Row, Dublin, Esquire, for an invention for—"Improvements in treating fabrics or articles composed of animal and vegetable substances, for the purpose of separating one class from another."
<i>Provisional protection only.</i></p> |
| <p>HARRISON.
15th February 1862.</p> | <p>415. ARTHUR HENRY HARRISON, of 16, Park Place, Highbury, in the County of Middlesex, for an invention for—"An improved under-garment for gentlemen and ladies' wear."
<i>Letters Patent sealed.</i></p> |
| <p>GREEN.
15th February 1862.</p> | <p>416. JOHN GREEN, of Newtown, in the Parish of Saint Martin, in the County of Worcester, Farmer, for an invention for—"Improvements in the method of and apparatus for signalling, which improvements apply to signals used with steam ploughs or cultivators."
<i>Provisional protection only.</i></p> |
| <p>RUSSELL.
15th February 1862.</p> | <p>417. JONATHAN RUSSELL, of Westbury Villa, Camberwell, in the County of Surrey, Master Mariner, for an invention for—"Improvements in the method of raising sunken, submerged, or stranded vessels."
<i>Letters Patent sealed.</i></p> |
| <p>GERISH.
17th February 1862.</p> | <p>418. FRANCIS WILLIAM GERISH, of East Road, City Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in pumps."
<i>Provisional protection only.</i></p> |

CRAWFORD. CRAWFORD. CRAWFORD. TEMPLETON. 17th February 1862.	419. HUGH CRAWFORD, JAMES CRAWFORD, ROBERT CRAWFORD, and ROBERT TEMPLETON, all of Beith, in the County of Ayr, North Britain, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
HODGKINSON. GREENHALGH. 17th February 1862.	420. JOHN HODGKINSON, Cotton Spinner, and DANIEL GREENHALGH, Manager, both of Bolton, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for preparing or combing cotton, wool and other fibrous materials." <i>Letters Patent sealed.</i>
WHITAKER. 17th February 1862.	421. JOHN WHITAKER, of Leigh, in the County of Lancaster, Agricultural Implement Maker, for an invention for—"Improvements in machinery or apparatus for pulping roots." <i>Provisional protection only.</i>
VAN DEN BERG. 17th February 1862.	422. JAMES JOHN VAN DEN BERG, of the Hague, in the Kingdom of the Netherlands, Manufacturer, for an invention for—"A new fire lighter." <i>Provisional protection only.</i>
HUGHES. 17th February 1862.	423. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"An improved method of and apparatus for collecting the gases given off from furnaces."— <i>A communication to him from abroad by Emil Langen, of Siegburg, in the Kingdom of Prussia, Engineer.</i> <i>Letters Patent sealed.</i>
BIRDSALL. BIRDSALL. 17th February 1862.	424. THOMAS BIRDSALL, of Leeds, in the County of York, Chemist, and JAMES BIRDSALL, of the same place, Tanner, for an invention for—"Improvements in preparing hides or skins for tanning." <i>Letters Patent sealed.</i>
COMBE. 17th February 1862.	425. JAMES COMBE, of Belfast, for an invention for—"Improvements in machinery for winding cops, and in the treatment of cops for warps and other purposes." <i>Letters Patent sealed.</i>
QUANT. FISK. DAWES. 18th February 1862.	426. HENRY EBENEZER QUANT and GEORGE HENRY FISK, of No. 1, High Street, Manchester, in the County of Lancaster, Merchants, and WILLIAM DAWES, of Bolton, in the same County, Engineer, for an invention for—"Improvements in the method of and apparatus for securing the ends of steel or other materials used for crinolines." <i>Provisional protection only.</i>
HASTINGS. FREEZER. WOOD. 18th February 1862.	427. JOHN HENRY HASTINGS and JAMES FREEZER, of Holkham, and JOHN WOODS, Junior, of Wells, all in the County of Norfolk, for an invention for—"Improvements in ploughs." <i>Provisional protection only.</i>
WATKINS. 18th February 1862.	428. RICHARD WATKINS, of 14, Lower Belgrave Place, Pimlico, London, for an invention for—"Improvements in oil and spirit lamps and in the means of producing light therein, parts of which improvements are applicable to lamps generally." <i>Letters Patent sealed.</i>
SÉGOFFIN. 18th February 1862.	429. CHARLES DENIS SÉGOFFIN, of 2, Rue Sainte-Appoline, Paris, France, and of 4, South Street, Finsbury, London, for an invention for—"An improved apparatus for the purpose of viewing photographs on cards." <i>Provisional protection only.</i>
LEES. 18th February 1862.]	430. JOHN LEES, of the Rookery, Salterhebble, near Halifax, in the County of York, for an invention for—"An improved trap for catching rats, mice, birds and other animals alive." <i>Letters Patent sealed; no specification filed.</i>
CLARK. 18th February 1862.	431. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in gas apparatus used for lighting cigars and other tobacco."— <i>A communication to him from abroad by Mr. Pierre Duchamp, of 29, Boulevard St. Martin, Paris, Merchant.</i> <i>Provisional protection only.</i>
HENRY. 18th February 1862.	432. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in cartridges."— <i>A communication to him from abroad by Jules Lemoine, of 34, Rue Saint Paul, Paris, France, Chemist.</i> <i>Provisional protection only.</i>

BUSH. 18th February 1862.	433. WILLIAM BUSH, of Tower Hill, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in omnibuses and other carriages." <i>Provisional protection only.</i>
FIRTH. 18th February 1862.	434. WILLIAM FIRTH, of Burley, in the Borough of Leeds, in the County of York, Merchant, for an invention for—"Improvements in machinery for digging or turning up soil." <i>Letters Patent sealed.</i>
MARZETTI. WATSON. 19th February 1862.	435. CHARLES THOMAS MARZETTI, and JOHN WATSON, of Vine Street, Minorities, E.C., for an invention for—"Improvements in machinery or apparatus for raising, lowering and otherwise moving or disposing casks and other bodies." <i>Letters Patent sealed.</i>
PENDLEBURY. PENDLEBURY. 19th February 1862.	436. JOHN TOMLINSON PENDLEBURY, Blacksmith, of Elton, near Bury, in the County of Lancaster, and GEORGE PENDLEBURY, Maker-up, of Tollington-lower-end, in the said County, for an invention for—"Improvements in machinery for doubling, folding or plaiting cloth." <i>Letters Patent sealed.</i>
BARLOW. 19th February 1862.	437. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Improvements in carding or otherwise preparing cotton and other fibrous materials, and in machinery employed therein."— <i>A communication to him from abroad by Sixte Pierre Villain, of Paris, in the Empire of France, Engineer.</i> <i>Provisional protection only.</i>
NASMYTH. 19th February 1862.	438. JAMES NASMYTH, of No. 31, Rue de l'Etoile, Brussels, in the Kingdom of Belgium, Civil Engineer, for an invention for—"Improvements in apparatus for obtaining a circular motive-power." <i>Letters Patent sealed.</i>
BARNETT. 19th February 1862.	439. FREDERIC BARNETT, residing at 230, Oxford Street, London, for an invention for—"An improved lamp or lantern for street lighting and other purposes." <i>Provisional protection only.</i>
ADAMS. 19th February 1862.	440. WILLIAM BRIDGES ADAMS, of Holly Mount, Hampstead, in the County of Middlesex, Engineer, for an invention for—"Improvements in springs and their arrangement for moving and stationary purposes." <i>Letters Patent sealed.</i>
SYMONS. 19th February 1862.	441. NATHANIEL SYMONS, Iron Founder, of No. 6, Cambridge Street, St. Pancrass, London, Middlesex, for an invention for—"Improvements in steam-engines for increasing the powers thereof by a different form of piston, internal top and bottom of cylinder." <i>Letters Patent sealed.</i>
TURNER. 19th February 1862.	442. JAMES TURNER, of 194, Upper Thames Street, in the City of London, Baker, for an invention for—"Improved machinery for mixing, mincing and pounding materials to be used in the preparation of food." <i>Provisional protection only.</i>
HINTON. 19th February 1862.	443. WILLIAM HINTON, of Greville Street, Holborn, in the County of Middlesex, Barometer Manufacturer, for an invention for—"Improvements in barometers." <i>Letters Patent sealed.</i>
DAVIS. 19th February 1862.	444. WILLIAM DAVIS, of Spencer Road, Stoke Newington, in the County of Middlesex, Oil Refiner, for an invention for—"Improvements in increasing the illuminating effect of coal gas and other gases." <i>Letters Patent sealed.</i>
PATERSON. 19th February 1862.	445. JAMES PATERSON, of the Middle Temple, in the County of Middlesex, Barrister-at-Law, for an invention for—"Improvements in means or apparatus for reburning animal charcoal."— <i>A communication to him from abroad by George Alexander Drummond, a person resident at Montreal, Canada East.</i> <i>Letters Patent sealed.</i>
GREGORY. 19th February 1862.	446. JOSEPH GREGORY, of Wellington, in the County of Somerset, for an invention for—"Improvements in candlesticks." <i>Provisional protection only.</i>
BOUSFIELD. 19th February 1862.	447. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improved modes of protecting iron-boilers, tanks and vats from wear arising from galvanic action."— <i>A communication to him from abroad by John Welton Wilcox, a person resident at West Roxbury, in the County of Norfolk, and State of Massachusetts, in the United States of America.</i> <i>Letters Patent sealed.</i>

WILLCOX. 19th February 1862.	448. JAMES WILLCOX, of Ludgate Hill, in the City of London, Sewing Machine Manufacturer, for an invention for—"Improvements in the manufacture of frills or ruffles and in the machinery or apparatus employed therein."— <i>A communication to him from abroad by Chauncey Orrin Crosby, of New Haven, Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
LEE. 20th February 1862.	449. GEORGE FREDERICK LEE, of New Bridge Street, in the City of London, Solicitor, for an invention for "An improvement in tourniquets."— <i>A communication to him from abroad by Thomas Scott Lambert, of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
FRIEDLAENDER. 20th February 1862.	450. JOSEPH FRIEDLAENDER, of White Abbey, in the County of Antrim, Ireland, Civil Engineer, for an invention for—"Improvements in machinery for scutching, breaking and preparing flax, hemp, jute and other fibrous substances." <i>Letters Patent sealed.</i>
STOEHR. 20th February 1862.	451. EMIL MORITZ STOEHR, of the City of Manchester, Merchant, for an invention for—"Improvements in the manufacture of manganese and in the combinations of manganese with other metals."— <i>A communication to him from abroad by Oscar Eugen Prieger, Doctor of Medicine, and Ferdinand Carl Prieger, both of Schloss Gereuth, near Ebern, in the Kingdom of Bavaria.</i> <i>Letters Patent sealed; no specification filed.</i>
WILKIE. 20th February 1862.	452. DAVID WILKIE, No. 15, Great Hermitage Street, Wapping, E., for an invention for—"A ship's compass which is not to be affected by local attraction or deviation, to be used by sailing vessel or steamer." <i>Provisional protection NOT granted.</i>
BLEASDALE. BORLAND. 20th February 1862.	453. JOSEPH BLEASDALE, Roller Manufacturer, and FREDERICK WILLIAM BORLAND, Mechanic, both of Accrington, in the County of Lancaster, for an invention for—"Improvements in fluted rollers for preparing and spinning fibrous materials, and in the mode of manufacturing the same." <i>Provisional protection only.</i>
PRITCHETT. 20th February 1862.	454. ROBERT TAYLOR PRITCHETT, of Saint James Street, in the City of Westminster, Gun Manufacturer, for an invention for—"Improvements in targets or butts." <i>Provisional protection only.</i>
PATERSON. 20th February 1862.	455. JAMES PATERSON, of the Middle Temple, in the County of Middlesex, Barrister-at-Law, for an invention for—"Improvements in the use of animal charcoal."— <i>A communication to him from abroad by George Alexander Drummond, a person resident at Montreal, Canada East.</i> <i>Letters Patent sealed.</i>
PATERSON. 20th February 1862.	456. JAMES PATERSON, of the Middle Temple, in the County of Middlesex, Barrister-at-Law, for an invention for—"Improvements in means or apparatus for facilitating the evaporation of saccharine solutions."— <i>A communication to him from abroad by George Alexander Drummond, a person resident at Montreal, Canada East.</i> <i>Letters Patent sealed.</i>
WOOD. 20th February 1862.	457. CHARLES WOOD, of Bramford, in the County of Suffolk, Engineer, for an invention for—"Improvements in horse rakes." <i>Letters Patent sealed.</i>
CHURCHILL. 20th February 1862.	458. LORD ALFRED SPENCER CHURCHILL, of No. 16, Rutland Gate, Hyde Park, in the County of Middlesex, for an invention for—"Improvements in electric telegraphs." <i>Provisional protection only.</i>
SPENCE. 21st February 1862.	459. JAMES SPENCE, of the firm of Messrs. Richardson, Spence & Co., of Liverpool, in the County of Lancaster, Merchants, for an invention for—"Improved apparatus for transshipping and discharging grain and other substances, and for weighing, screening and fanning such grain and substances during such transshipment and discharge."— <i>The result partly of a communication to him from abroad by Thomas Richardson, of the City and State of New York, one of the United States of America, and partly invented and discovered by himself.</i> <i>Letters Patent sealed.</i>
SKELLERN. 21st February 1862.	460. RICHARD HUME SKELLERN, of South Terrace, Hatcham Park, in the County of Surrey, Gentleman, for an invention for—"An improved self-inking hand stamp or press." <i>Letters Patent sealed.</i>

- WARD.
21st February 1862. 461. HENRY WARD, of Castle Bromwich, in the County of Warwick, Farmer, for an invention for—"An improvement or improvements in ladies' saddles."
Letters Patent sealed.
- STANDISH.
GOODEN.
21st February 1862. 462. JOHN STANDISH, of Egerton, near Bolton, in the County of Lancaster, and JOHN GOODEN, of the same place, for an invention for—"Improvements in machinery or apparatus for stripping or cleaning the flats of carding-engines."
Provisional protection only.
- HAMER.
21st February 1862. 463. WILLIAM HAMER, of Little Lever, near Bolton, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in apparatus employed in the preparation of cotton and other fibrous materials."
Letters Patent sealed.
- CREASE.
21st February 1862. 464. EDWARD SMITH CREASE, of No. 17, Gracechurch Street, in the City of London, Mining Engineer, for an invention for—"Improved machinery for drilling, boring or excavating rock or other earthy substances."
Letters Patent sealed.
- PICKIN.
PICKIN.
21st February 1862. 465. ROBERT PICKIN, and WILLIAM EDWIN PICKIN, both of Birmingham, in the County of Warwick, Carriage Builders, for an invention for—"Improvements in the manufacture of carriage bodies."
Letters Patent sealed.
- KRASUSKI.
21st February 1862. 466. JOSEPH KRASUSKI, of 29, Boulevard St. Martin, Paris, in the Empire of France, Professor, for an invention for—"An improved apparatus for controlling fiery horses."
Provisional protection only.
- MCADAM.
CHRYSTAL.
21st February 1862. 467. WILLIAM MCADAM, Pottery and Glass Manufacturer, and WILLIAM CHRYSTAL, Mariner, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in sheaves or pulleys, journals, bushes and other similar bearing or rubbing surfaces."
Letters Patent sealed.
- SMITH.
21st February 1862. 468. SPENCER SMITH, of No. 204, High Holborn, in the County of Middlesex, Engineer, for an invention for—"Improvements in electro-magnetic engines for obtaining and applying motive-power."
Provisional protection only.
- CHAVASSE.
MORRIS.
HAINES.
22nd February 1862. 469. HORACE CHAVASSE, of Birmingham, in the County of Warwick, Manufacturer, TIMOTHY MORRIS, of Birmingham, in the County of Warwick, Manufacturer, and GEORGE BATTISON HAINES, of Birmingham, in the County of Warwick, Agent, for an invention for—"An improvement or improvements in the manufacture and ornamentation of metallic bedsteads, part of which is also applicable to other articles."
Letters Patent sealed.
- ASHTON.
22nd February 1862. 470. WILLIAM ASHTON, of Manchester, in the County of Lancaster, Machinist, for an invention for—"Certain improvements in machinery or apparatus employed in the manufacture of braids and similar articles."
Letters Patent sealed.
- ROSS.
22nd February 1862. 471. WILLIAM HENRY ROSS, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"Improvements in the manufacture of sugar."—*A communication to him from abroad by Edward Beanes, of Havana, Island of Cuba, Merchant.*
Letters Patent sealed.
- KIRKWOOD.
22nd February 1862. 472. JAMES KIRKWOOD, of Paisley, in the County of Renfrew, North Britain, Manufacturer, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
- BORNEMANN.
22nd February 1862. 473. AUGUSTUS BORNEMANN, of No. 29, Monmouth Street, in the City and Borough of Bath, Cabinet Manufacturer, for an invention for—"Improvements in the mode of constructing fountains."
Letters Patent sealed.
- MILLINGTON.
22nd February 1862. 474. JOHN MILLINGTON, of Oaken Gates, in the County of Salop, Timber Merchant and Builder, for an invention for—"A new or improved hearse or bier."
Letters Patent sealed.
- BOUSFIELD.
22nd February 1862. 475. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in apparatus for elevating hay, straw and earth."—*A communication to him from abroad by Levi Beardsley, a person resident at Boston, United States of America.*
Letters Patent sealed.
- LIEBMANN.
22nd February 1862. 476. CHARLES HENRY JULIUS WILLIAM MAXIMILIAN LIEBMANN, of Huddersfield, in the County of York, Merchant, for an invention for—"Improvements in felted fabrics suitable for carpets and other similar purposes, and in the apparatus employed therein."
Letters Patent sealed.

TOWNEND. 22nd February 1862.	477. JAMES TOWNEND, of Bradford, in the County of York, Machinist, for an invention for—"Improvements in jacquard engines." <i>Provisional protection only.</i>
CAMP. 22nd February 1862.	478. JAMES PETERKIN DOUGLAS CAMP, of The International Patent Agency, 100, Fleet Street, in the City of London, for an invention for—"Improvements in the arrangement of valves for steam and other engines, and in the means of operating the same."— <i>A communication to him from abroad by Henry Steele, of Jersey City, State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
WHITE. 22nd February 1862.	479. DAVID BLAIR WHITE, of the Town and County of the Town of Newcastle-upon-Tyne, Doctor of Medicine, for an invention for—"Improvements in apparatuses for protecting liquids from the atmosphere while remaining in and during their discharge from the vessels containing the same." <i>Letters Patent sealed.</i>
BLAKEY. BLAKEY. BLAKEY. WHITE. 22nd February 1862.	480. GEORGE BLAKEY, SAMUEL BLAKEY, and JOHN BLAKEY, of Liverpool, in the County of Lancaster, Boot Top and Legging Manufacturers, and BENJAMIN WHITE, of Birkenhead, in the County of Chester, Boot and Shoe Dealer, for an invention for—"Improvements in leggings or gaiters." <i>Letters Patent sealed.</i>
ORAM. 22nd February 1862.	481. GEORGE JOHN ORAM, of 19, Wilmington Square, in the County of Middlesex, Watch Manufacturer, for an invention for—"A revolving pendant for giving greater security to watches and lockets against theft." <i>Provisional protection only.</i>
FOSTER. 22nd February 1862.	482. ROBERT FOSTER, the younger, of Beeston, in the County of Nottingham, Horticultural Builder, for an invention for—"Improvements in the construction of horticultural and other similar buildings or erections." <i>Letters Patent sealed.</i>
JOHNSON. 22nd February 1862.	483. WILLIAM BECKETT JOHNSON, of Manchester, in the County of Lancaster, Consulting Engineer, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
MENNONS. 22nd February 1862.	484. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"Improvements in burners for heating by gas."— <i>A communication from Carsten Richard Meyn, a person resident at Carlshütte Rendsburg, in the Duchy of Holstein.</i> <i>Letters Patent sealed.</i>
JOHNSTON. 24th February 1862.	485. WILLIAM JOHNSTON, of Glasgow, in the County of Lanark, North Britain, Metal Merchant, for an invention for—"Improvements in gas and other lamps and stoves." <i>Letters Patent sealed.</i>
WEST. 24th February 1862.	486. GEORGE WEST, of No. 1, Chapel Place, Long Lane, Borough, in the County of Surrey, for an invention for—"Improvements in the construction of washing-machines." <i>Provisional protection only.</i>
CUNNINGHAM. CUNNINGHAM. 24th February 1862.	487. JOHN CUNNINGHAM, and ROBERT CUNNINGHAM, both of Paisley, in the County of Renfrew, North Britain, Card Perforators, for an invention for—"An improved ornamental fabric and improvements in weaving and in jacquard apparatus." <i>Provisional protection only.</i>
HADDAN. 24th February 1862.	488. JOHN COOPE HADDAN, of Bessborough Gardens, Pimlico, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in small arms and in artillery, and in projectiles for artillery." <i>Letters Patent sealed.</i>
WALLER. 24th February 1862.	489. RICHARD WALLER, of Baker Street, Portman Square, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery and apparatus for joining leather and flexible and textile materials, and for the manufacture of boots and shoes and other coverings for the feet." <i>Letters Patent sealed.</i>
BLAIR. 24th February 1862.	490. THOMAS BLAIR, of the City of Carlisle, Tea and Coffee Dealer, for an invention for—"Improvements in machinery or apparatus for cutting, chopping and breaking refined lump sugar and other substances." <i>Provisional protection only.</i>
CLARK. 24th February 1862.	491. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for feeding or supplying steam-boilers with water."— <i>A communication to him from abroad by Messrs. François Pradel and François Théobald Wahl, Engineers, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>

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| <p>KIRKHAM.
ENSOM.
24th February 1862.</p> <p>WESTMACOTT.
24th February 1862.</p> <p>PARTRIDGE.
24th February 1862.</p> <p>DAVIS.
PARKES.
24th February 1862.</p> <p>BROOMAN.
24th February 1862.</p> <p>SMITH.
24th February 1862.</p> <p>NEWTON.
24th February 1862.</p> <p>CARNABY.
25th February 1862.</p> <p>WOODROW.
25th February 1862.</p> <p>WILKIE.
25th February 1862.</p> <p>PIDDINGTON.
25th February 1862.</p> <p>PIDDINGTON.
25th February 1862.</p> <p>BLISS.
LAMPLOUGH.
25th February 1862.</p> <p>CLARK.
25th February 1862.</p> | <p>492. THOMAS NESHAM KIRKHAM, of West Brompton, and VERNON FRANCIS ENSOM, of Highgate, both in the County of Middlesex, for an invention for—"Improvements in bleaching and dyeing yarn and thread when in the form of cops or otherwise wound."
<i>Letters Patent sealed.</i></p> <p>493. PERCY GRAHAM BUCHANAN WESTMACOTT, of Newcastle-upon-Tyne, Civil Engineer, for an invention for—"Improvements in constructing and applying armour plating to ships, vessels and forts."
<i>Provisional protection only.</i></p> <p>494. THOMAS PARTRIDGE, senior, of 50, Tenby Street, Birmingham, in the County of Warwick, for an invention for—"Improvements in apparatus for printing railway and other tickets or cards."
<i>Letters Patent sealed.</i></p> <p>495. LEWIS DAVIS, of Gloucester Gardens, Hyde Park, in the County of Middlesex, Esquire, and FREDERICK MAJOR PARKES, of Marylebone Road, in the said County, Gentleman, for an invention for—"An improvement in the production or manufacture of gas for lighting and heating."
<i>Letters Patent sealed.</i></p> <p>496. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in reaping and mowing machines."—<i>A communication to him from abroad by Marie Pierre Amaranthe Ferdinand Mazier, of Laigle, France.</i>
<i>Provisional protection only.</i></p> <p>497. FREDERICK ST. GEORGE SMITH, of Drogheda, Ireland, of the firm of Thomas Grendon & Co., Engineers, for an invention for—"Improvements in machinery for grinding or reducing quartz, bones, grain and other substances."—<i>The result partly of communication from abroad made to him by Edward Furber, of New York, in the United States of America, and partly of invention and discovery made by himself.</i>
<i>Letters Patent sealed.</i></p> <p>498. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the joints or chairs of the permanent way of railways."—<i>A communication to him from abroad by Raymond French, of Seymour, Connecticut, and William Goddard, of Boston, Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>499. JOHN CARNABY, of No. 7A, Skinner Street, in the City of London, Patentee and Manufacturer of Apparatus for the safe and economical use of gas, for an invention for—"Improvements in turning, managing and regulating the taps and valves of gas pipes."
<i>Letters Patent sealed.</i></p> <p>500. JEREMIAH WOODROW, of Oldham, in the County of Lancaster, Hat Manufacturer, for an invention for—"A certain improvement in the manufacture of hats or coverings for the head."
<i>Letters Patent sealed.</i></p> <p>501. DAVID WILKIE, of No. 15, Great Hermitage Street, Wapping, E., for an invention for—"A composition to be used on the bottoms of sailing vessels and steamers, for the prevention of barnacle and other matter adhering thereto while employed in sea water."
<i>Provisional protection NOT granted.</i></p> <p>502. JOHN PIDDINGTON, of No. 52, Gracechurch Street, in the City of London, Patent Agent, for an invention for—"An improved machine for shelling or husking all kinds of grain."—<i>A communication to him from abroad by Melchior Nolden, residing at Frankfort-on-the-Maine.</i>
<i>Letters Patent sealed.</i></p> <p>503. JOHN PIDDINGTON, of No. 52, Gracechurch Street, in the City of London, Patent Agent, for an invention for—"Improved condensing apparatus adapted for high pressure steam-engines especially locomotive engines."—<i>A communication to him from abroad by William Winter, of Charlottenburg, near Berlin, in the Kingdom of Prussia.</i>
<i>Provisional protection only.</i></p> <p>504. EDWIN BLISS, of No. 36, Percival Street, Clerkenwell, in the County of Middlesex, Jeweller, and HENRY LAMPLOUGH, of No. 113, Holborn Hill, in the said County of Middlesex, Chemist, for an invention for—"Improved means for viewing microscopic photographs and other minute objects."
<i>Letters Patent sealed.</i></p> <p>505. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in tobacco pipes."—<i>A communication to him from abroad by Mr. Paul Ambroise Doury, Proprietor, of 29, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> |
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WATSON. DRACUP. 25th February 1862.	506. THOMAS WATSON, of Thornton, near Bradford, in the County of York, Overlooker, and ROBERT DRACUP, of the same place, Mechanic, for an invention for—"Improvements in means or apparatus for preparing and combing wool and other fibres." <i>Letters Patent sealed.</i>
MINASI. 25th February 1862.	507. CARLO MINASI, of No. 3, Saint James's Terrace, Kentish Town Road, in the County of Middlesex, Professor of Music, for an invention for—"Improvements in cartridges, and in apparatus for facilitating the proper aiming with fire-arms." <i>Provisional protection only.</i>
HECKETHORN. 25th February 1862.	508. CHARLES WILLIAM HECKETHORN, of Saint Ann's Road, Brixton, in the County of Surrey, for an invention for—"Improvements in obtaining and applying motive-power by means of a wheel containing mercury." <i>Provisional protection only.</i>
IMRAY. 25th February 1862.	509. JOHN IMRAY, of 65, Westminster Bridge Road, Lambeth, in the County of Surrey, Engineer, for an invention for—"Improvements in hinges." <i>Complete specification; Letters Patent sealed.</i>
WHITWORTH. 25th February 1862.	510. JOSEPH WHITWORTH, of Manchester, in the County of Lancaster, for an invention for—"Improvements in manufacturing and preparing projectiles, and in apparatus to be used for those purposes." <i>Letters Patent sealed.</i>
CRANSTON. 25th February 1862.	511. WILLIAM MCINTYRE CRANSTON, of 58, King William Street, in the City of London, for an invention for—"Improvements in machinery for reaping and mowing."— <i>The result partly of communication from abroad made to him by Walter Abbott Wood, a person resident at Hoosick Falls, Rensselaer County, New York, United States of America, and partly of invention and discovery made by himself.</i> <i>Letters Patent sealed.</i>
KINGSFORD. 25th February 1862.	512. COURTENAY KINGSFORD, of Fenchurch Street, in the City of London, Merchant, for an invention for—"A new composition for the manufacture of bread." <i>Letters Patent sealed.</i>
GUYET. 25th February 1862.	513. PIERRE JOSEPH GUYET, of Paris, in the Empire of France, Civil Engineer, for an invention for—"An improved coupling for uniting pipes between locomotives and tenders, applicable also to the coupling of other pipes." <i>Provisional protection only.</i>
COOK. 25th February 1862.	514. HARRY WHITESIDE COOK, of Manchester, in the County of Lancaster, a Minor, for an invention for—"An improved mode of and apparatus for propelling carriages and vehicles by means of electricity." <i>Letters Patent sealed.</i>
BOOCOCK. DAVENPORT. 26th February 1862.	515. JOHN BOOCOCK, and THOMAS DAVENPORT, both of Bury, in the County of Lancaster, Mechanics, for an invention for—"Improvements in machinery for preparing, spinning and doubling cotton and other fibrous materials." <i>Provisional protection only.</i>
GREEN. 26th February 1862.	516. ALFRED GREEN, of Rose Cottage, North Road, Forest Hill, Parish of Lewisham, Kent, for an invention for—"Improvements in the method of and apparatus for bordering paper, envelopes and cards with black or coloured borders." <i>Letters Patent sealed.</i>
STEPHEN. 26th February 1862.	517. ALEXANDER STEPHEN, junior, of Glasgow, in the County of Lanark, North Britain, Shipbuilder, for an invention for—"Improvements in the construction of ships or vessels." <i>Letters Patent sealed.</i>
DAVIES. 26th February 1862.	518. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in emptying or draining the water from careening docks in maritime ports."— <i>A communication to him from abroad by Pierre Lucien Fontaine, of Paris, Engineer.</i> <i>Provisional protection only.</i>
REES. 26th February 1862.	519. GEORGE REES, of Goswell Road, in the Parish of Clerkenwell, Engineer, for an invention for—"Improvements in the construction of marine sub-ways." <i>Provisional protection only.</i>
DUPARET. 26th February 1862.	520. AGATHE DÉSIRÉE DUPARET, of Paris, France, Spinster, for an invention for—"Improvements in the ornamentation of tissues." <i>Provisional protection only.</i>

- DOTHÉE.
26th February 1862. 521. JACQUES DOTHÉE, of Paris, France, Gentleman, for an invention for—"Improvements in the colouring or dyeing of horsehair tresses, hats or ornaments." *Provisional protection only.*
- BENNETT.
26th February 1862. 522. JAMES HENRY BENNETT, of Blackburn, in the County of Lancaster, for an invention for—"Improvements in steam generators and in engines to be worked by atmospheric pressure or steam and air combined." *Provisional protection only.*
- KING.
VARVILL.
26th February 1862. 523. THOMAS KING, and ROBERT VARVILL, of Liverpool, in the County of Lancaster, Merchants, for an invention for—"Improvements in apparatus for controlling the flow of fluids for flushing water-closets." *Letters Patent sealed.*
- CLIFF.
26th February 1862. 524. JOHN CLIFF, of the Imperial Potteries, Lambeth, in the County of Surrey, for an invention for—"Improvements in glazing stone ware, red clay ware, porcelain and other kinds of earthenware." *Letters Patent sealed.*
- MILLER.
26th February 1862. 525. WILLIAM MILLER, of Upper Stamford Street, Blackfriars, in the County of Surrey, for an invention for—"Improvements in the manufacture of sugar." *Letters Patent sealed.*
- KNOLL.
26th February 1862. 526. CHARLES LOUIS KNOLL, of 187, Tottenham Court Road, in the County of Middlesex, for an invention for—"Improvements in piano-fortes." *Letters Patent sealed.*
- CLARK.
26th February 1862. 527. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the clasps or fastenings of bracelets, neck chains and other articles of jewellery."—*A communication to him from abroad by Messrs. Eugène Fauche and Charles Auguste Ravaut, both of 29, Boulevard St. Martin, Paris, Manufacturing Jewellers.* *Letters Patent sealed.*
- BRUZAUD.
26th February 1862. 528. EDWIN GEORGE BRUZAUD, of Pembroke Road, Kensington, in the employ of Messrs. Erard and Company, of 18, Great Malborough Street, Harp and Piano-forte Manufacturers, for an invention for—"Improvements in piano-fortes." *Letters Patent sealed.*
- SAVAGE.
26th February 1862. 529. WILLIAM PEACOCK SAVAGE, of Roxham, Downham, Norfolk, for an invention for—"Improvements in fire-arms." *Letters Patent sealed.*
- MEDHURST.
26th February 1862. 530. JOHN MEDHURST, of 53, Lower Queen Street, Rotherhithe, in the County of Surrey, Shipwright, for an invention for—"Improvements in apparatus for reefing and furling the topsails, courses and other square sails of vessels." *Letters Patent sealed.*
- SMITH.
26th February 1862. 531. JOHN SMITH, senior, of Coven, near Wolverhampton, for an invention for—"Improvements in drying wheat and other grain." *Letters Patent sealed.*
- TORR.
27th February 1862. 532. GEORGE TORR, of Buck's Row, Whitechapel, in the County of Middlesex, and Lower Road, Deptford, in the County of Surrey, Animal Charcoal Manufacturer, for an invention for—"Improvements in and an improved apparatus for manufacturing and reburning animal charcoal." *Letters Patent sealed.*
- ADAMS.
27th February 1862. 533. THOMAS ADAMS, of Deptford, in the County of Kent, Engineer, for an invention for—"Improved arrangements for effecting an equilibrium of the steam pressure upon valves, the said arrangements being also applicable for effecting equilibrium of fluid or gaseous pressure upon other valves." *Letters Patent sealed.*
- CLARK.
27th February 1862. 534. CHARLES CLARK, of 361, City Road, London, for an invention for—"Improvements in tea and other trays for the table." *Provisional protection only.*
- GILBEE.
27th February 1862. 535. WILLIAM ARMAND GILBEE, of No. 4, South Street, Finsbury, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of fire grates for steam and other boilers, and suitable to all kinds of fires."—*A communication to him from abroad by De Vos Verraert, of Brussels, in the Kingdom of Belgium.* *Provisional protection only.*
- SMITH.
27th February 1862. 536. WILLIAM SMITH, of Salisbury Street, Adelphi, for an invention for—"Improvements in the method of making cigarets and in the apparatus and materials to be employed therein."—*A communication to him from abroad by M. Lemaire-Daimé, of Andresy, in the Empire of France.* *Letters Patent sealed.*

TANGYE. 27th February 1862.	537. JAMES TANGYE, of the firm of Tangye, Brothers and Price, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"An improvement or improvements in hydraulic lifting jacks." <i>Letters Patent sealed.</i>
BRIGHT. 27th February 1862.	538. SIR CHARLES TILSTON BRIGHT, of Victoria Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in electric telegraphs and in apparatus connected therewith and employed in the manufacture thereof." <i>Letters Patent sealed.</i>
BRAY. 27th February 1862.	539. THOMAS BRAY, of Dewsbury, in the County of York, for an invention for—"Improvements in ornamenting wood in imitation of inlaid work." <i>Letters Patent sealed.</i>
SEAGER. 27th February 1862.	540. ROBERT SEAGER, of Ipswich, in the County of Suffolk, for an invention for—"Improvements in the manufacture of boots and shoes, and in apparatus employed therein." <i>Provisional protection only.</i>
FOSTER. 27th February 1862.	541. JOHN ROBERT FOSTER, of Winsley Street, Oxford Street, in the County of Middlesex, Trimming Manufacturer, for an invention for—"Improvements in the manufacture of bullion-fringe or cord." <i>Letters Patent sealed.</i>
WOOD. 27th February 1862.	542. WILLIAM STUART WOOD, of Larchfield Foundry, Leeds, in the County of York, Engineer, for an invention for—"Improvements in valves for regulating the flow of steam, water or other fluids, and in means or apparatus for working or actuating them direct from the governor or when worked by expansion cams in connection therewith." <i>Letters Patent sealed.</i>
REVELL. 27th February 1862.	543. JOSEPH REVELL, of Dukinfield, in the County of Chester, Master Plasterer and Decorator, for an invention for—"Improvements in oil cans." <i>Letters Patent sealed.</i>
AZEMAR. 28th February 1862.	544. PIERRE DESTAING AZEMAR, of Paris, France, Watchmaker, for an invention for—"An improved mechanical arrangement for the winding up and the setting of the hands of watches by means of the knob of the pendant." <i>Letters Patent sealed.</i>
MUNTZ. 28th February 1862.	545. WILLIAM HENRY MUNTZ, of Millbrook Lodge, in the County of Hants, Gentleman, for an invention for—"Improvements in paddle-wheels." <i>Letters Patent sealed.</i>
MAKINSON. BATHO. 28th February 1862.	546. ALEXANDER WOODLANDS MAKINSON, of Westminster, in the County of Middlesex, Civil Engineer, and WILLIAM FOTHERGILL BATHO, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in locomotive engines." <i>Letters Patent sealed.</i>
RATLIFF. 28th February 1862.	547. JOHN CLEOPHAS RATLIFF, of Coventry, in the County of Warwick, Ribbon Manufacturer, for an invention for—"Improvements in the covers or bindings for books and blotting cases." <i>Letters Patents sealed.</i>
MCKENZIE. MURRAY. HAMILTON. 28th February 1862.	548. GEORGE MCKENZIE, WILLIAM FULLARTON MURRAY, and JOHN HAMILTON, Gentlemen, all of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in machinery or apparatus for the manufacture of bobbins or holders for textile materials." <i>Provisional protection only.</i>
POLLOCK. 28th February 1862.	549. JOHN POLLOCK, of 27, Budge Row, in the City of London, Stationer, for an invention for—"Improvements in apparatus for protecting trousers from mud." <i>Provisional protection only.</i>
CHARCOUCHET. 28th February 1862.	550. JACQUES LAZARE CHARCOUCHET, of Lyons, in the Empire of France, Civil Engineer, for an invention for—"Improvements in machinery for breaking stone." <i>Letters Patent sealed.</i>
BROOMAN. 23th February 1862.	551. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of hats and bonnets."— <i>A communication to him from abroad by Messieurs Louis Pierre Quenot and Henri Joseph Lebardy, of Paris, France.</i> <i>Provisional protection only.</i>
PARKER. 23th February 1862.	552. JAMES PARKER, of No. 6, Lilford Road, Camberwell, Surrey, Solicitor's Managing Clerk, for an invention for—"An improved mode of applying steam as a motive-power for propelling vessels and for other purposes." <i>Letters Patent sealed.</i>

COWBURN. 1st March 1862.	553. THOMAS COWBURN, of the Safety Valve Works, Little Peter Street, in the City of Manchester, Engineer, for an invention for—"Improvements in apparatus for raising and discharging boiling soap, and for dividing the same into bars when congealed." <i>Provisional protection only.</i>
BRADFORD. 1st March 1862.	554. THOMAS BRADFORD, of the Cathedral Steps, Manchester, in the County of Lancaster, and Fleet Street, London, Washing-Machine Manufacturer, for an invention for—"Improvements in washing-machines for cleansing domestic garments, fibrous materials, and for manufacturing purposes." <i>Letters Patent sealed.</i>
SIM. 1st March 1862.	555. JAMES SIM, of the City of Aberdeen, North Britain, Manufacturing Chemist, for an invention for—"Improvements in the construction of gas meters." <i>Letters Patent sealed.</i>
MÜLLER. 1st March 1862.	556. HENRY CHARLES MÜLLER, of Russell Place, New North Road, in the County of Middlesex, Furrier, for an invention for—"Improvements in the manufacture of imitation bear skin caps." <i>Provisional protection only.</i>
DODDS. 1st March 1862.	557. MATTHEW DODDS, of Bedburn Iron Works, in the Parish of Hamsterley, in the County of Durham, Edge Tool Manufacturer, for an invention for—"Improvements in machinery for moulding, forming or shaping articles of iron or other malleable metals, and for shearing or cutting such metals." <i>Letters Patent sealed.</i>
BOYER. 1st March 1862.	558. PIERRE HENRI BOYER, of Paris, France, Glove Maker, for an invention for—"Improvements in the manufacture of boots and shoes." <i>Provisional protection only.</i>
GUYET. 1st March 1862.	559. PIERRE JOSEPH GUYET, of Paris, in the Empire of France, Civil Engineer, for an invention for—"Improvements in taps or valves." <i>Provisional protection only.</i>
GABRIEL. GABRIEL. 1st March 1862.	560. MAURICE GABRIEL, and ARNOLD GABRIEL, of 33, Ludgate Hill, in the City of London, and 27, Harley Street, Cavendish Square, in the County of Middlesex, and of Liverpool and Birmingham, for an invention for—"Improvements in the bases of artificial teeth." <i>Provisional protection only.</i>
HAGUE. 1st March 1862.	561. SAM HAGUE, of Westwinsted, Litchfield County, in the State of Connecticut, America, but having a temporary residence in the Town and County of the Town of Nottingham, Cutler, for an invention for—"Improvements in machinery or apparatus for raising hammers and stamping with them hot or cold metals." <i>Letters Patent sealed.</i>
RAGON. 1st March 1862.	562. ADOLPHE ERNEST RAGON, of No. 4, Bernard Street, Russell Square, in the County of Middlesex, for an invention for—"Improvements in electric alarms for telegraphic purposes."— <i>A communication to him from abroad by Pierre Jules Emile Vinay, of 27, Place Dauphine, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
POTTS. 1st March 1862.	563. ANDREW POTTS, of Cappagh, in the County of Down, Ireland, Farmer, for an invention for—"Improvements in machinery or apparatus for scutching and refining flax, hemp and other vegetable substances." <i>Letters Patent sealed.</i>
ROBERTSON. 1st March 1862.	564. PATRICK ROBERTSON, of Sun Court, Cornhill, in the City of London, for an invention for—"Improvements in treating yeast and in the manufacture of ammoniacal salts and a substitute for animal charcoal." <i>Provisional protection only.</i>
REYNOLDS. 1st March 1862.	565. SAMUEL GODFREY REYNOLDS, of Bristol, in the State of Rhode Island, United States of America, for an invention for—"Certain improvements in power spading machines." <i>Letters Patent sealed.</i>
JENNINGS. 1st March 1862.	566. JOSIAH GEORGE JENNINGS, of Holland Street, Blackfriars, in the County of Surrey, Sanitary Engineer, for an invention for—"Improvements in the construction of chimneys or flues." <i>Letters Patent sealed.</i>
KENDALL. 1st March 1862.	567. JOSEPH BRADLEE KENDALL, of Boston, in the State of Massachusetts, United States of America, for an invention for—"An improved horse shoe." <i>Letters Patent sealed.</i>

MARTIN. PENFOLD. 1st March 1862.	568. LOUIS MARTIN, of Tenison Street, York Road, Lambeth, in the County of Surrey, and OLIVER PENFOLD, of Blackmoor Street, Drury Lane, in the County of Middlesex, for an invention for—"An improved candle-lamp." <i>Letters Patent sealed.</i>
BOOLDS. 1st March 1862.	569. CORNELIUS BOOLDS, of South Terrace, Kennington Park, in the County of Surrey, for an invention for—"Improvements in fastenings for gloves." <i>Provisional protection only.</i>
DAVIS. DAVIS. 1st March 1862.	570. JOHN WHITMORE DAVIS, and FRANCIS DAVIS, both of Hull, in the County of York, for an invention for—"Improvements in apparatus for supplying feed water to steam-boilers." <i>Letters Patent sealed.</i>
BOWEN. 1st March 1862.	571. HENRY BOWEN, of Cardiff, in the County of Glamorgan, Gas Engineer, for an invention for—"Improvements in gas meters." <i>Letters Patent sealed.</i>
SHAW. 3rd March 1862.	572. ROBERT SHAW, junr., of Portlaw, in the County of Waterford, Ireland, Cotton Spinner, for an invention for—"An improvement in fire-arms by a more convenient method of placing the ram rod in position." <i>Provisional protection only.</i>
RÉMOND. 3rd March 1862.	573. PIERRE RÉMOND, of 39, Rue de l'Echiquier, Paris, in the Empire of France, ex-Captain of Gendarmerie and Knight of the Imperial Legion of Honour, for an invention for—"Improvements in double rein bridle bits." <i>Complete specification; Letters Patent sealed.</i>
BELL. 3rd March 1862.	574. THOMAS BELL, of Wishaw, in the County of Lanark, North Britain, Manager, for an invention for—"Improvements in apparatus for distilling shale and other bituminous minerals." <i>Provisional protection only.</i>
SHELDON. SHELDON. 3rd March 1862.	575. ABRAHAM SHELDON, of Tipton, in the County of Stafford, Furnace Builder, and JAMES SHELDON, of West Bromwich, in the County of Stafford, Furnace Builder, for an invention for—"An improvement or improvements in smelting furnaces." <i>Provisional protection only.</i>
SCHOFIELD. 3rd March 1862.	576. JOSEPH SCHOFIELD, of the firm of Schofield, Kirk and Marshall, of Huddersfield, in the County of York, Machine Makers, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
TEVENDALE. 3rd March 1862.	577. ANDREW TEVENDALE, of Liverpool, in the County of Lancaster, Licensed Victualler, for an invention for—"Improvements in the apparatus used in connection with cooking stoves and domestic fire-places for the manufacture and supply of gas." <i>Provisional protection only.</i>
TILLAM. 3rd March 1862.	578. THOMAS TILLAM, of Church Street, Deptford Green, in the County of Kent, Crematine Manufacturer, for an invention for—"An improved method of purifying gas." <i>Letters Patent sealed.</i>
BEDBOROUGH. 3rd March 1862.	579. ALFRED BEDBOROUGH, of Southampton, in the County of Hants, for an invention for—"Improvements in pillar letter-boxes and letter-bags." <i>Letters Patent sealed.</i>
QUIQUANDON. 3rd March 1862.	580. JEAN BAPTISTE ANDRE QUIQUANDON, of Paris, in the Empire of France, Mechanician, for an invention for—"Improvements in jacquard machines and in the pattern cards to be employed therein." <i>Provisional protection only.</i>
BISCHOP. 3rd March 1862.	581. GUSTAV BISCHOP, junior, of Swansea, for an invention for—"Improvements in treating ores and solutions containing copper and iron or either of them, to obtain products therefrom." <i>Provisional protection only.</i>
CONISBEE. 3rd March 1862.	582. WILLIAM CONISBEE, of Herbert's Buildings, Waterloo Road, Southwark, Engineer and Printing Machine Manufacturer, for an invention for—"Improvements in colour printing machines for letter press or block printing." <i>Letters Patent sealed.</i>
BUNNING. 3rd March 1862.	583. HENRY BUNNING, of Field House, New Cross, Deptford, in the County of Kent, for an invention for—"Improvements in the manufacture of lubricating grease or compounds." <i>Letters Patent sealed.</i>

HOUGHTON. 3rd March 1862.	584. FREDERICK BURNETT HOUGHTON, of 6, Clarendon Terrace, Kensington, in the County of Middlesex, for an invention for—"Improvements in the manufacture of paper." <i>Letters Patent sealed.</i>
GJERS. 4th March 1862.	585. JOHN GJERS, of Middlesborough, in the North Riding of the County of York, Engineer, for an invention for—"A material or sand for the formation of moulds for casting iron and for other like purposes." <i>Letters Patent sealed.</i>
ELLIS. 4th March 1862.	586. JAMES ELLIS, of Petersham, in the County of Surrey, Farmer, for an invention for—"Improvements in hooks and swivels for fastening chains of all sizes and for other similar purposes." <i>Provisional protection only.</i>
STANDEN. 4th March 1862.	587. BRIDGE STANDEN, of Salford, near Manchester, in the County of Lancaster, Chymist, for an invention for—"Improvements in the preparation or manufacture of portable manure or fertilizing compound, and in the collection or extraction therefrom of a certain liquid applicable to various purposes, and also in machinery or apparatus to be employed therein." <i>Letters Patent sealed.</i>
SCHÄFER. SCHÄFER. 4th March 1862.	588. PHILIPP SCHÄFER, and FREDERICK SCHÄFER, of Golden Square, in the County of Middlesex, Manufacturers, for an invention for—"An improvement in travelling bags, portmanteaus and other similar bags and cases." <i>Letters Patent sealed.</i>
SMITH. 4th March 1862.	589. JOHN THOMAS SMITH, of Lee, in the County of Kent, Gentleman, for an invention for—"An improved sight for fire-arms, applicable also as an apparatus for measuring angles." <i>Provisional protection only.</i>
TONGUE. 4th March 1862.	590. WILLIAM TONGUE, of Bradford, in the County of York, Engineer, for an invention for—"Improvements in machinery for breaking, rubbing and scutching flax, hemp or other vegetable fibrous materials, and in processes for treating silk waste." <i>Letters Patent sealed.</i>
SEDLEY. 4th March 1862.	591. ANGELO JAMES SEDLEY, of 210, Regent Street, in the County of Middlesex, for an invention for—"Improvements in metallic bedsteads, sofa-bedsteads and folding chairs or seats." <i>Letters Patent sealed.</i>
COTTAM. COTTAM. 4th March 1862.	592. GEORGE HALLEN COTTAM, and HENRY RICHARD COTTAM, both of the Saint Pancras Iron Works, Old St. Pancras Road, in the County of Middlesex, for an invention for—"Improvements in horticultural buildings and other glazed structures." <i>Letters Patent sealed.</i>
GREENWOOD. 4th March 1862.	593. THOMAS GREENWOOD, of Leeds, in the County of York, Machine Maker, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
GUY. 4th March 1862.	594. GEORGE FULLER GUY, of Bury St. Edmonds, in the County of Suffolk, Gentleman, for an invention for—"Improvements in electro-magnetic motive-power engines." <i>Letters Patent sealed.</i>
SIDEBOTTOM. 5th March 1862.	595. JOHN SIDEBOTTOM, of Harewood, near Mottram, in the County of Chester, Cotton Spinner and Manufacturer, for an invention for—"Improvements in fire-arms and ordnance and in projectiles." <i>Letters Patent sealed.</i>
TONGUE. 5th March 1862.	596. WILLIAM TONGUE, of Bradford, in the County of York, Engineer, for an invention for—"Improvements in machinery for preparing silk, flax, hemp or other fibrous materials." <i>Letters Patent sealed.</i>
SOMERVELL. SOMERVELL. BLANC. 5th March 1862.	597. JOHN SOMERVELL, and ROBERT MILLER SOMERVELL, both of Netherfield, in the County of Westmoreland, and MARIUS BLANC, of Birmingham, in the County of Warwick, for an invention for—"Certain improvements in the manufacture of boots and shoes." <i>Letters Patent sealed.</i>
HENSMAN. HENSMAN. 5th March 1862.	598. WILLIAM HENSMAN, of Woburn, in the County of Bedfordshire, and WILLIAM HENSMAN, the younger, of Linslade, in the County of Buckinghamshire, Agricultural Engineers, for an invention for—"Improvements in steam ploughs and in apparatus connected therewith." <i>Letters Patent sealed.</i>
CHUBB. BURTON. 5th March 1862.	599. JOHN CHUBB, of St. Paul's Church Yard, in the City of London, Patent Lock and Safe Manufacturer, and HENRY MORTIMER BURTON, of John's Place, Holland Street, Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in apparatus for displaying or exhibiting jewelry and other valuable articles in glass cases." <i>Letters Patent sealed.</i>

BOSTOCK. 5th March 1862.	600. THOMAS BOSTOCK, of Stone, in the County of Stafford, Boot and Shoe Manufacturer, for an invention for—"Improvements in the manufacture of boots and shoes." <i>Letters Patent sealed.</i>
PARTINGTON. 5th March 1862.	601. EDWARD PARTINGTON, of Heap Bridge, in the County of Lancaster, Manager, for an invention for—"Certain improvements in the method of cleansing and preparing rags or other materials used in the manufacture of paper, and in machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
GISBORNE. 5th March 1862.	602. FREDERIC NEWTON GISBORNE, of No. 3, Adelaide Place, London Bridge, in the City of London, Engineer and Electrician, for an invention for—"Improvements in the mode of indicating numerals or letters in railway tickets and other articles by peculiar devices cut therein, and in apparatus for effecting the same." <i>Provisional protection only.</i>
NEWTON. 5th March 1862.	603. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for "An improved process and apparatus for reducing wood, straw and other vegetable substances to pulp for the manufacture of paper."— <i>A communication to him from abroad by John Reynolds Knox, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BARKER. 6th March 1862.	604. JONATHAN BARKER, of Todmorden, in the County of York, Engineer, Millwright, Iron and Brass Founder, for an invention for—"Improvements in and means or apparatus for casting drums, pulleys, gear and other wheels, and bushes or keys for the same." <i>Letters Patent sealed.</i>
LAWRENCE. 6th March 1862.	605. GEORGE LAWRENCE, of Newton Terrace, Westbourne Grove, in the County of Middlesex, for an invention for—"Improvements in the manufacture of flesh gloves and flesh straps." <i>Provisional protection only.</i>
HACK. CARTER. 6th March 1862.	606. THOMAS HACK, of the West Middlesex Water Works, Hammersmith, and ALFRED EDWIN CARTER, of the West Middlesex Water Works, Kensington, both in the County of Middlesex, for an invention for—"Improvements in screw cocks." <i>Letters Patent sealed.</i>
SHIPLEY. 7th March 1862.	607. JOHN GEORGE SHIPLEY, of 181, Regent Street, in the County of Middlesex, Saddler and Army Accoutrement Maker, for an invention for—"Improvements in bridle heads, reins and bits." <i>Letters Patent sealed.</i>
NEWTON. 7th March 1862.	608. MARCUS BOURNE NEWTON, of Wharf No. 4, inside Gt. Northern Goods Station, King's Cross, N., London, for an invention for—"Improvements in the manufacture and construction of junction and other drain pipes in clay or other plastic materials." <i>Provisional protection only.</i>
FARRIMOND. 7th March 1862.	609. THOMAS FARRIMOND, of the City of Manchester, in the County of Lancaster, Mining Engineer, for an invention for—"An improved safety cage for mines." <i>Provisional protection only.</i>
REVELL. 7th March 1862.	610. JOSEPH REVELL, of Dukinfield, in the County of Chester, Master Plasterer and Decorator, for an invention for—"Improvements in securing the rails of railways and tramways to the chairs." <i>Provisional protection only.</i>
CARPENDALE. MIDDLETON. 7th March 1862.	611. JOHN CARPENDALE, Britannia-metal Smith, and THOMAS MIDDLETON, Table-blade Grinder, both of Sheffield, in the County of York, for an invention for—"Improvements in means of producing raised chasing on copper, silver and britannia-metal by the application of pressure." <i>Provisional protection only.</i>
FOWLER. GREIG. NODDINGS. 7th March 1862.	612. JOHN FOWLER, junior, DAVID GREIG, and RICHARD NODDINGS, of Leeds, in the County of York, for an invention for—"Improvements in apparatus for cultivating or tilling land." <i>Letters Patent sealed.</i>
BALL. BALL. WILKINS. 7th March 1862.	613. THOMAS BALL, WILLIAM BALL, and JOHN WILKINS, all of the Broadway, Nottingham, Manufacturers, for an invention for—"Improvements in the manufacture of warp fabrics in warp machines." <i>Letters Patent sealed.</i>
WRIGHT. 7th March 1862.	614. RICHARD WRIGHT, of 18, Albany Road, Camberwell, in the County of Surrey, for an invention for—"Improvements in heating and clarifying saccharine fluids." <i>Letters Patent sealed.</i>

BROOK. 7th March 1862.	615. ISAAC BROOK, of 62, Basinghall Street, in the County of Middlesex, for an invention for—"Improvements in ladies' dresses." <i>Provisional protection NOT granted.</i>
RESTELL. 7th March 1862.	616. RICHARD RESTELL, of Croydon, in the County of Surrey, Watch Maker, for an invention for—"Improvements in apparatuses for connecting and disconnecting carriages and engines on railways, as also signal lines between guard and driver." <i>Letters Patent sealed.</i>
WOOD. 7th March 1862.	617. THOMAS HENTON WOOD, of Blackweir, in the County of Glamorgan, Gentleman, for an invention for—"Improvements in apparatus employed in the manufacture of artificial fuel." <i>Letters Patent sealed.</i>
COATHUPE. 7th March 1862.	618. HENRY BENTINCK COATHUPE, of the Junior United Service Club, Saint James's, in the County of Middlesex, Esquire, for an invention for—"Improvements in the manufacture of clips, hooks and other such like fastenings." <i>Provisional protection only.</i>
WILLIAMSON. 8th March 1862.	619. ALEXANDER WILLIAM WILLIAMSON, of University College, in the County of Middlesex, for an invention for—"Improvements in apparatus for generating steam or for generating and superheating steam." <i>Letters Patent sealed.</i>
FLETCHER. 8th March 1862.	620. HENRY FLETCHER, of 82, Wood Street, Cheapside, in the City of London, Warehouseman, for an invention for—"An improved clip for securing the steel or other expanders of crinolines to the suspenders thereof." <i>Provisional protection only.</i>
EDMONSON. 8th March 1862.	621. GEORGE EDMONDSON, of Queenswood, in the County of Southampton, for an invention for—"Improvements in washing-machines." <i>Letters Patent sealed.</i>
BLAIR. 8th March 1862.	622. ANDREW BLAIR, of the Dawsholm Print Works, in the County of Dumbarton, North Britain, Calico Printer, for an invention for—"Improvements in rotatory engines." <i>Letters Patent sealed.</i>
PATERSON. SANDERSON. SANDERSON. 8th March 1862.	623. WILLIAM PATERSON, WILLIAM ALEXANDER SANDERSON, and ROBERT SANDERSON, junr., of the firm of R. & A. Sanderson & Co., of Gala Mills, Galashiels, in the County of Selkirk, North Britain, for an invention for—"Improvements in finishing woven fabrics." <i>Letters Patent sealed.</i>
BROMHEAD. 8th March 1862.	624. SIDNEY SAMUEL BROMHEAD, of Bristol, in the County of Gloucester, Ironmonger, for an invention for—"Improvements in the construction of boxes or receptacles for coals." <i>Letters Patent sealed.</i>
PLATT. RICHARDSON. 8th March 1862.	625. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM RICHARDSON, of the same place, Mechanical Engineer, for an invention for—"Improvements in machinery or apparatus for cleaning cotton from seeds." <i>Letters Patent sealed.</i>
DEANE. 8th March 1862.	626. JOHN DEANE, junior, of King William Street, in the City of London, Gun Manufacturer, for an invention for—"Improvements in revolving fire-arms." <i>Letters Patent sealed.</i>
WILKINS. 8th March 1862.	627. WILLIAM NOY WILKINS, of Saint John's Wood, in the County of Middlesex, Artist, for an invention for—"Improvements in the manufacture of pigments for oil and water colours." <i>Provisional protection only.</i>
GUYET. 8th March 1862.	628. PIERRE JOSEPH GUYET, of Paris, in the Empire of France, Civil Engineer, for an invention for—"Improvements in water-meters." <i>Letters Patent sealed.</i>
GRICE. 8th March 1862.	629. SAMUEL GRICE, of Birmingham, in the County of Warwick, Engineer, for an invention for—"An improvement or improvements in propellers for propelling ships and boats and other vessels." <i>Provisional protection only.</i>
CLARK. 8th March 1862.	630. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in brims and peaks of hats, caps and other coverings for the head."— <i>A communication to him from abroad by Mr. Jonas Haas, of 29, Boulevard St. Martin, Paris, Hat Manufacturer.</i> <i>Provisional protection only.</i>
PALMER. 8th March 1862.	631. WILLIAM PALMER, of Bell House, South Weald, in the County of Essex, for an invention for—"Improvements in the manufacture of candles." <i>Letters Patent sealed.</i>

FLEMING. 8th March 1862.	632. JOHN FLEMING, of Mincing Lane, in the City of London, for an invention for—"Improvements in machinery for pressing cotton."— <i>A communication to him from abroad by Alexander Johnstone, a person resident at Bombay, in the East Indies.</i> <i>Provisional protection only.</i>
GISBORNE. WICKENS. 8th March 1862.	633. FREDERIC NEWTON GISBORNE, of No. 3, Adelaide Place, London Bridge, in the City of London, Engineer and Electrician, and HENRY WICKENS, of No. 4, Tokenhouse Yard, Bank, in the City of London, Gentleman, for an invention for—"Improvements in the means of indicating the presence of fire damp or choke damp in mines, and of dispersing fire damp, and also of telegraphing in mines." <i>Provisional protection only.</i>
SYKES. 8th March 1862.	634. LUKE RICHARD SYKES, of New Coventry Street, in the County of Middlesex, for an invention for—"Improvements in gloves." <i>Provisional protection only.</i>
NEWTON. Codd. 8th March 1862.	635. FRANCIS ROBERT NEWTON, and HIRAM CODD, both of Esher Street, in the City of Westminster, for an invention for—"An apparatus for indicating and measuring the flow of liquids." <i>Letters Patent sealed.</i>
GEHBARDT. 8th March 1862.	636. JOHN JAMES HENRY GEHBARDT, of Lawrence Lane, in the City of London, Merchant, for an invention for—"An improved fastening for albums and other books, bags, reticules and other articles."— <i>A communication to him from abroad by Herr Kugler, of Nuremberg, in Germany, Manufacturer.</i> <i>Provisional protection only.</i>
MENNONS. 10th March 1862.	637. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"Certain improvements in breech loading fire-arms."— <i>A communication from Salloum Dahdah (of Lebanon, in Syria), a person resident at St. Maur (Dep' de la Seine), France.</i> <i>Provisional protection only.</i>
DUNCAN. 10th March 1862.	638. JAMES DUNCAN, of Greenock, in the County of Renfrew, North Britain, Sugar Refiner, for an invention for—"Improvements in the manufacture of vinegar." <i>Provisional protection only.</i>
MASSI. 10th March 1862.	639. CHARLES MASSI, of 13, Greville Street, Holborn, in the County of Middlesex, Philosophical Apparatus Manufacturer, for an invention for—"Improvements in means and apparatus for retarding and stopping carriages used on railways or common roads." <i>Provisional protection only.</i>
BROOMAN. 10th March 1862.	640. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in producing by the aid of photography copies of maps, charts, plans and drawings."— <i>A communication to him from abroad by Arthur Guy Morvan, of Paris, France.</i> <i>Letters Patent sealed.</i>
PARKER. BATMAN. 10th March 1862.	641. WILLIAM PARKER, and GEORGE HENRY BATMAN, of Copmanthorpe, in the County of York, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
SPENCE. 10th March 1862.	642. WILLIAM SPENCE, of 50, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in projectiles."— <i>A communication to him from abroad by Ira Wells Shaler, of Brooklyn, in the County of King's, and State of New York, United States.</i> <i>Letters Patent sealed.</i>
BENNETT. 10th March 1862.	643. WILLIAM JOHN BENNETT, of 21A, Millbank Street, in the City of Westminster, Manager, for an invention for—"An improved solution or preparation to be used with Portland and other cements for the production of artificial stone, or for building purposes." <i>Letters Patent sealed.</i>
MAC LEOD. 10th March 1862.	644. ALEXANDER CHARLES MAC LEOD, of Hanover Square, in the County of Middlesex, Doctor of Medicine, for an invention for—"Improvements in ventilating hats and coverings for the head." <i>Letters Patent sealed.</i>
NOSWORTHY. 10th March 1862.	645. WILLIAM SAMUEL NOSWORTHY, of 79, Coleman Street, in the City of London, Pianoforte Manufacturer, for an invention for—"Improvements in upright and horizontal pianofortes." <i>Letters Patent sealed.</i>
BARCLAY. 10th March 1862.	646. ANDREW BARCLAY, of Kilmarnock, in the County of Ayr, North Britain, Engineer, for an invention for—"Improvements in traction engines, and in apparatus for indicating the pressure of steam." <i>Letters Patent sealed.</i>

PIRET. 10th March 1862.	647. JEAN BAPTISTE GABRIEL MARIE FRÉDÉRIC PIRET, of 29, Boulevard St. Martin, Paris, Civil Engineer, for an invention for—"Improvements in lubricating-apparatus." <i>Letters Patent sealed.</i>
CALOW. 10th March 1862.	648. JOHN THOMAS CALOW, of Staveley, in the County of Derby, Manufacturer, for an invention for—"An improved safety apparatus applicable to cages or hoists used in mining or lifting machines." <i>Letters Patent sealed.</i>
HENRY. 10th March 1862.	649. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improvement in preparing hooks and hooks-and-eyes for sale or consumption."— <i>A communication to him from abroad by the Société Gingembre et Damiron, of Paris, France.</i> <i>Provisional protection only.</i>
KROMSCHROEDER. 10th March 1862.	650. HENRY HERMAN KROMSCHROEDER, of 32, Princess Terrace, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in gas meters." <i>Letters Patent sealed.</i>
PEACOCK. 11th March 1862.	651. ROBERT PEACOCK, of the firm of Messieurs Peacock and Prattley, of the City of Manchester, Manufacturers and Printers, for an invention for—"Improvements in the manufacture of window blinds." <i>Provisional protection only.</i>
NADAL. 11th March 1862.	652. JEAN NADAL, Mechanist, of 14, Brooke's Market, Brooke Street, Holborn, in the City of London, for an invention for—"An improved portable fountain for water or other liquids." <i>Letters Patent sealed.</i>
PARFITT. 11th March 1862.	653. EDWARD PARFITT, of Drury Lane, in the County of Middlesex, Wine Merchant, for an invention for—"A watch protector." <i>Provisional protection only.</i>
BARTER. 11th March 1862.	654. WILLIAM BARTER, of Brixham, in the County of Devon, Master Mariner, for an invention for—"Improvements in apparatus for propelling vessels, and for enabling them to work off lee shores during storms." <i>Provisional protection only.</i>
HUMPHRYS. 11th March 1862.	655. EDWARD HUMPHRYS, of Deptford, in the County of Kent, Engineer, for an invention for—"Improvements in steam-engines." <i>Provisional protection only.</i>
KERAUTRET. KERAUTRET. 11th March 1862.	656. OLIVIER KERAUTRET, and JULES KERAUTRET, of No. 15, Passage des Petites Ecuries, in the City of Paris and Empire of France, for an invention for—"Improvements in the construction and ornamentation of buildings, by the use of which hewn stone and faced bricks are dispensed with in some parts thereof." <i>Letters Patent sealed.</i>
CAMP. 11th March 1862.	657. EDWIN GILLARD CAMP, of the City of Bristol, Hair Dresser, for an invention for—"Improvements in brushes or apparatus for brushing." <i>Letters Patent sealed.</i>
HALL. 11th March 1862.	658. COLLINSON HALL, of Navestock, in the County of Essex, Agriculturalist, for an invention for—"Improvements in implements for breaking up the soil, and in ropes and drums to be employed in the cultivation of the soil by steam." <i>Letters Patent sealed.</i>
WILSON. WILSON. 11th March 1862.	659. THOMAS BARNES WILSON, of Queen's Ferry, in the County of Flint, and WILLIAM WILSON, of Preston, in the County of Lancaster, both Managers, for an invention for—"Improvements in means or apparatus for the splitting of cane and other fibrous substance." <i>Letters Patent sealed.</i>
BAYNES. 11th March 1862.	660. HENRY BAYNES, of the firm of Henry Baynes and Son, Stationers, of Clements Lane, in the City of London, for an invention for—"An improvement in bankers' cheque books." <i>Provisional protection only.</i>
SMITH. 11th March 1862.	661. RICHARD SMITH, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist, for an invention for—"Improvements in telegraph posts." <i>Provisional protection only.</i>
DAVIES. 11th March 1862.	662. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in attaching artificial teeth to plates and to each other, and in moulds for forming artificial teeth."— <i>A communication to him from abroad by Abraham Merritt Asay and Jacob Lambert Asay, both of the City of Philadelphia, Pennsylvania, in the United States of America.</i> <i>Letters Patent sealed.</i>

CLARK. 11th March 1862.	663. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for effecting submarine operations."— <i>A communication to him from abroad by Mr. Olivier Riou, of 29, Boulevard St. Martin, Paris, Merchant.</i> <i>Provisional protection only.</i>
DE NORMANDY. 12th March 1862.	664. ALPHONSE RENE LE MIRE DE NORMANDY, of Odin Lodge, King's Road, Clapham Park, in the County of Surrey, for an invention for—"An improved method of connecting gas and other pipes." <i>Letters Patent sealed.</i>
RUSSELL. 12th March 1862.	665. ALEXANDER JAMES RUSSELL, of Edinburgh, in Scotland, Clerk to the Signet, for an invention for—"Improvements in the arrangement of the electric conductors for submarine telegraphs."— <i>A communication to him from abroad by Francis Bensa and Windham Charles James Anstruther, of Florence, in Italy.</i> <i>Provisional protection only.</i>
FAWCETT. 12th March 1862.	666. JOHN FAWCETT, of New Swindon, in the County of Wilts, Smith, for an invention for—"Certain improvements in the manufacture of cranks and crank axles for locomotive and other engines." <i>Provisional protection only.</i>
LATHAM. LATHAM. 12th March 1862.	667. WILLIAM HENRY LATHAM, of Bolton, in the County of Lancaster, Foreman, and FREDERICK CARTWRIGHT WARD LATHAM, of the same place, Printer, for an invention for—"Certain improvements in machinery or apparatus for perforating and numbering paper or other substances to be employed as 'tickets' or where other 'counter registration' is required." <i>Letters Patent sealed.</i>
LATHAM. LATHAM. 12th March 1862.	668. WILLIAM HENRY LATHAM, of Bolton, in the County of Lancaster, Foreman, and FREDERICK CARTWRIGHT WARD LATHAM, of the same place, Printer, for an invention for—"Certain improvements in machinery or apparatus for cutting paper, pasteboard and other similar substances." <i>Letters Patent sealed.</i>
WATSON. 12th March 1862.	669. ARCHIBALD WATSON, of Glasgow, in the County of Lanark, North Britain, Plumber and Brassfounder, for an invention for—"Improvements in hot-pressing apparatus." <i>Provisional protection only.</i>
JOHNSON. MORRIS. 12th March 1862.	670. JOHN JOHNSON, of Heaton Norris, in the County of Lancaster, and SAMUEL MORRIS, of Stockport, in the County of Chester, for an invention for—"Improvements in steam-boilers." <i>Letters Patent sealed.</i>
CONYERS. 12th March 1862.	671. WILLIAM CONYERS, of Leeds Bridge, Leeds, in the County of York, Currier and Leather Merchant, for an invention for—"Improvements in currying leather." <i>Letters Patent sealed.</i>
MOLYNEUX. 12th March 1862.	672. ECHLIN MOLYNEUX, junior, of Seaview, Enniskerry, in the County of Wicklow, Ireland, for an invention for—"An improved method of utilizing the waste heat of the products of combustion as the escape from a furnace and securing a more complete combustion of the fuel." <i>Provisional protection only.</i>
GONDOLO. 12th March 1862.	673. PAUL GONDOLO, of 29, Boulevard St. Martin, Paris, in the Empire of France, Merchant, for an invention for—"A new or improved baking oven." <i>Letters Patent sealed.</i>
A'BECKETT. 12th March 1862.	674. ARTHUR MARTIN A'BECKETT, of Surbiton, in the County of Surrey, F.R.C.S., for an invention for—"Improvements in railway signal apparatus." <i>Letters Patent sealed.</i>
CLARK. 12th March 1862.	675. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of colored inks."— <i>A communication to him from abroad by Mr. Annet Jacques Nadaud, of 29, Boulevard St. Martin, Paris, Merchant.</i> <i>Provisional protection only.</i>
TOLHAUSEN. 12th March 1862.	676. FREDERICK TOLHAUSEN, Civil Engineer and Patent Agent, of No. 17, Rue du Faubourg, Montmartre, Paris, for an invention for—"An improved kind of spinning or humming top."— <i>A communication from Jean Marie Charles Martin, Esq., a person resident at No. 12, Rue Neuve des Martyrs, Paris.</i> <i>Provisional protection only.</i>
GRISDALE. 12th March 1862.	677. JOHN EDWIN GRISDALE, of 73, Oxford Street, in the County of Middlesex, Photographer, for an invention for—"Improvements in photographic cameras, and in the mode of fixing the lens therein." <i>Provisional protection only.</i>

FITTON. 12th March 1862.	678. EDWARD GERARD FITTON, of Ardwick, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery for winding yarn or thread on to bobbins or spools." <i>Provisional protection only.</i>
NEWTON. 12th March 1862.	679. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of cartridges."-- <i>A communication to him from abroad by Elam Potter and Julius Pomeroy, both of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
HENDY. 13th March 1862.	680. JAMES SAUL HENDY, of Essex Street, Strand, in the County of Middlesex, Butler to the Honourable Society of the Inner Temple, for an invention for—"An improvement in the construction of chimneys and chimney pots." <i>Provisional protection only.</i>
FONTAINE. 13th March 1862.	681. FORTUNE HIPPOLYTE FONTAINE, of No. 15, Passage des Petites Ecuries, in the City of Paris, in the Empire of France, for an invention for—"A process for reproducing photographies, drawings, paintings and engravings engraved on metal." <i>Provisional protection only.</i>
VIDIE. 13th March 1862.	682. LUCIEN VIDIE, of Paris, France, Gentleman, for an invention for—"Improvements in the construction of aneroid barometers, partly applicable to steam gauges." <i>Letters Patent sealed.</i>
CUNNINGHAM. CUNNINGHAM. 13th March 1862.	683. JOHN CUNNINGHAM, and ROBERT CUNNINGHAM, both of Paisley, in the County of Renfrew, North Britain, Card Perforators, for an invention for—"An improved ornamental fabric and improvements in weaving and in jacquard apparatus." <i>Letters Patent sealed.</i>
HUNTER. 13th March 1862.	684. JOHN HUNTER, Manager of the Dalmellington Iron Works, in the County of Ayr, North Britain, for an invention for—"Improvements in apparatus for removing slag from furnaces." <i>Letters Patent sealed.</i>
ERMEN. 13th March 1862.	685. GODFREY ERMEN, of Manchester, in the County of Lancaster, Sewing Thread Manufacturer, for an invention for—"An improved receptacle or case for the protection of threads of cotton, silk or other fibrous substances when in a 'spooled,' 'balled' or otherwise wound state, or for the reception of 'tapes.'" <i>Letters Patent sealed.</i>
FLETCHER. 13th March 1862.	686. HENRY FLETCHER, Engraver and Mechanician, of Market Street, Manchester, in the County of Lancaster, for an invention for—"Improvements in cleaning and preparing cotton and the machinery used for that purpose." <i>Provisional protection only.</i>
WADSWORTH. 13th March 1862.	687. JAMES WADSWORTH, of Salford, near Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in the construction and manufacture of moveable or adjustable heels for boots and shoes." <i>Letters Patent sealed.</i>
HOWARD. BULLOUGH. 13th March 1862.	688. JOHN HOWARD, and JOHN BULLOUGH, of Accrington, in the County of Lancaster, Iron Founders and Machine Makers, for an invention for—"Improvements in warping and beaming machines." <i>Provisional protection only.</i>
HUGHES. 13th March 1862.	689. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in furnaces for consuming smoke."-- <i>A communication to him from abroad by Napoléon Félix Boruko de Chodzko and Jean Louis Lebeaux, of Paris.</i> <i>Letters Patent sealed.</i>
BONNETERRE. ERHART. MONTI. 13th March 1862.	690. SÉVERIN VIRGILE BONNETERRE, CHARLES THÉODORE ERHART, and JULES FERDINAND MONTI, all of 51, Rue de Malte, Paris, in the Empire of France, for an invention for—"An improved apparatus for regulating the pressure of steam in steam-boilers, and the combustion in their furnaces." <i>Letters Patent sealed.</i>
HENRY. 13th March 1862.	691. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in stuffing-boxes."-- <i>A communication to him from abroad by Francisque Million, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>

BROOMAN. 13th March 1862.	692. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatuses for measuring and regulating the flow and pressure of gas, parts of which are applicable to hydraulic receivers and to steam generators."— <i>A communication to him from abroad by Jean Claude Garnier, of Paris, France.</i> <i>Letters Patent sealed.</i>
CALVERT. 13th March 1862.	693. GEORGE CALVERT, of Islington, in the County of Middlesex, Ironmonger, for an invention for—"Improvements in castors." <i>Provisional protection only.</i>
THOMPSON. THOMPSON. MAWSON. 13th March 1862.	694. SAMUEL KEARSLEY THOMPSON, of Coniston, in the County of Lancaster, Engineer, and ARTHUR THOMAS THOMPSON, of Bolton-le-Moors, in the County of Lancaster, Engineer, and SAMUEL MAWSON, of Bolton-le-Moors, in the County of Lancaster, Surgeon Dentist, for an invention for—"Improvements in railway apparatuses for communicating between guard and driver and for coupling and uncoupling the carriages, parts of which apparatuses are applicable to connecting pipes and tubes." <i>Provisional protection only.</i>
HOWELL. 13th March 1862.	695. JOSEPH BENNETT HOWELL, of the firm of Shortridge, Howell and Company, Steel Manufacturers, of Sheffield, in the County of York, for an invention for—"Improvements in the manufacture of chains and chain cables." <i>Provisional protection only.</i>
FLETCHER. 13th March 1862.	696. HENRY FLETCHER, of 82, Wood Street, Cheapside, in the City of London, Warehouseman, for an invention for—"Improvements in neck-ties, scarfs, cravats and collars." <i>Provisional protection only.</i>
NEWTON. 13th March 1862.	697. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improvement in armour plates for vessels of war."— <i>A communication to him from abroad by Edward Cox, of Covington, State of Kentucky, United States of America.</i> <i>Letters Patent sealed.</i>
BOLTON. 13th March 1862.	698. EDWARD BOLTON, of Warrington, in the County of Lancaster, Glass Manufacturer, for an invention for—"Improved apparatus for transferring liquid matters from one vessel to another." <i>Provisional protection only.</i>
SCHOMBURG. BALDAMUS. 13th March 1862.	699. RUDOLPH SCHOMBURG, of No. 90, Cannon Street, in the City of London, and ADOLPH BALDAMUS, of Charlottenburg, in the City of Berlin, in the Kingdom of Prussia, for an invention for—"Improvements in purifying illuminating gas." <i>Provisional protection only.</i>
KENT. 13th March 1862.	700. JOHN KENT, of Moscow, in the Kingdom of Russia, Hosier, at present residing at Hyson Green, Nottingham, in the County of Nottingham, for an invention for—"Improvements in cleansing and bleaching."— <i>Partly the result of communication from abroad made to him by Theodor Schnebely, a person resident at Moscow aforesaid, and partly of invention and discovery made by himself.</i> <i>Letters Patent sealed.</i>
QUINARD. 14th March 1862.	701. ALEXANDRE QUINARD, of No. 15, Passage des Petites Ecuries, in the City of Paris, in the Empire of France, Hardware Manufacturer, for an invention for—"A machine for manufacturing horse shoe nails." <i>Letters Patent sealed.</i>
GARTHWAITE. 14th March 1862.	702. ROBERT GARTHWAITE, of Eldon Street, Durham Road, Darlington, for an invention for—"An improved mode or design for providing extra-superior or better accommodation in double tenement houses." <i>Provisional protection NOT granted.</i>
BIRKBECK. 14th March 1862.	703. GEORGE HENRY BIRKBECK, of the firm of Tongue and Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents and Engineers, for an invention for—"Improvements in trusses or bandages and in pessaries to be used therewith when required."— <i>A communication to him from abroad by M. Louis Polydore Grandcollot, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BENNET. 14th March 1862.	704. GEORGE BENNET, of No. 21, Manchester Buildings, Westminster, in the County of Middlesex, for an invention for—"An improvement in the coating and covering of wrought iron for the purpose of preserving it and preventing oxidation." <i>Provisional protection only.</i>

SANBORN.
14th March 1862.

GABLER.
ZINGLER.
14th March 1862.

BOUSFIELD.
14th March 1862.

PATERSON.
14th March 1862.

MUIR.
McILWHAM.
14th March 1862.

TURNER.
14th March 1862.

COLES.
COLES.
15th March 1862.

CLARK.
15th March 1862.

EMANUEL.
15th March 1862.

KOTTULA.
15th March 1862.

PETTIT.
15th March 1862.

SMADJA.
15th March 1862.

McADAM.
15th March 1862.

HUNTER.
SCOTT.
15th March 1862.

705. GEORGE HENRY SANBORN, of Boston, State of Massachusetts, United States of America, for an invention for—"Improvements in gas regulators."—*A communication from Jeremiah Henry Norton, a person resident at Boston, Massachusetts, United States of America.*
Provisional protection only.

706. LUDWIG GABLER, of No. 41, Bernard Street, & MAXIMILIAN ZINGLER, of No. 14, Granville Street, both in the County of Middlesex, for an invention for—"Improvements in manufacturing articles from ivory and bone."

Letters Patent sealed.

707. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, in the County of Surrey, for an invention for—"Improvements in machinery for digging and disintegrating the earth for agricultural purposes."—*A communication to him from abroad by Elias Howe, junior, a person resident at Brooklyn, State of New York, United States of America.*
Letters Patent sealed.

708. ALEXANDER JOHN PATERSON, of the City of Edinburgh, Gentleman, for an invention for—"Improvements in the construction of electric telegraph cables."

Letters Patent sealed.

709. MATTHEW ANDREW MUIR, of Glasgow, in the County of Lanark, North Britain, Machinist, and JAMES McILWHAM, of the same place, Machinist, for an invention for—"Improvements in railway sleepers and chairs and in the mode of fixing rails."

Letters Patent sealed.

710. WILLIAM TURNER, of The Steam Bakery, No. 39, Hockley, in the Town and County of the Town of Nottingham, Baker and Flour Dealer, for an invention for—"Improvements in the construction of bakers' ovens, and in the use of furnaces and other apparatus connected therewith, and in the means or appliances employed therein."

Letters Patent sealed; no specification filed.

711. ALFRED COLES, and WILLIAM COLES, both of Wych Street, Strand, in the County of Middlesex, Truss Makers, for an invention for—"Improvements in the construction of trusses for cases of hernia."

Letters Patent sealed.

712. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved brake for railroad carriages."—*A communication to him from abroad by Augustine Irel Ambler, Attorney-at-Law, Roseline Nancy Ambler, Wife of said Augustine Irel Ambler, and Warrick Martin, Banker, all of the City and County of Milwaukee, in the State of Wisconsin, United States of America.*
Letters Patent sealed.

713. HARRY EMANUEL, of Brook Street, Hanover Square, in the County of Middlesex, Court Jeweller, for an invention for—"An improvement in the manufacture of ornaments for personal wear."

Provisional protection only.

714. CONSTANTINE NICOLAUS KOTTULA, of Belle Isle, in the County of Middlesex, Soap Manufacturer, for an invention for—"Improvements in the manufacture of combined soaps."

Letters Patent sealed.

715. GEORGE BROOKS PETTIT, of New Oxford Street, in the County of Middlesex, for an invention for—"An improved method of and apparatus for heating water and other liquids, applicable also to the evaporation of liquids."

Letters Patent sealed.

716. JULIEN SMADJA, of 16, Stamford Street, of the Parish of Christ Church, in the County of Surrey, Merchant, for an invention for—"Improvements in bustles and crinolines and in materials used in their construction."

Letters Patent sealed.

717. WILLIAM McADAM, of Glasgow, in the County of Lanark, North Britain, Pottery and Glass Manufacturer, for an invention for—"Improvements in the manufacture of blocks, pulleys and weights for window sashes and other purposes, and in the mode of applying the same."

Letters Patent sealed.

718. JAMES HUNTER, of Coltness Iron Works, Cambusnethan, in the County of Lanark, North Britain, Ironmaster, and ROBERT SCOTT, of the same place, Engineer, for an invention for—"Improvements in reaping-machines."

Letters Patent sealed.

GRANT. 15th March 1862.	719. JOHN GRANT, of Albion Place, Maidstone, in the County of Kent, Farmer, for an invention for—"Improvements in the construction of portable railways and in the trucks or carriages to be used thereon." <i>Letters Patent sealed.</i>
SCOTT. 15th March 1862.	720. HENRY YOUNG DARRACOTT SCOTT, of Brompton Barracks, near Chatham, in the County of Kent, Captain in the Royal Engineers, for an invention for—"Improvements in the manufacture of cement." <i>Letters Patent sealed.</i>
DR BARBEZIÉRES. 15th March 1862.	721. SUBLIME NAPOLÉON DE LA HAYE DE BARBEZIÉRES, of Paris, in the Empire of France, Barrister in the Imperial Court of Paris, for an invention for—"An improved construction of horse-shoe." <i>Letters Patent sealed.</i>
AVERY. 15th March 1862.	722. JOHN AVERY, of 26, Mark Lane, in the City of London, for an invention for—"Improvements in purifying coal."— <i>A communication to him from abroad by John Reed, a person resident at New York, United States of America.</i> <i>Letters Patent sealed.</i>
HAMILTON. 15th March 1862.	723. GEORGE HAMILTON, of No. 6, Willow Terrace, Islington, in the County of Middlesex, for an invention for—"Improvements in tumbler locks." <i>Letters Patent sealed.</i>
ROBEY. 15th March 1862.	724. JAMES ROBEY, of No. 49, Hereford Road North, in the County of Middlesex, for an invention for—"Improvements in manufacturing and refining sugar and in apparatus employed therein." <i>Letters Patent sealed.</i>
PICKSTONE. 15th March 1862.	725. WILLIAM PICKSTONE, of Radcliffe, in the County of Lancaster, for an invention for—"Improvements in the manufacture of piled fabrics." <i>Letters Patent sealed.</i>
PENDLEBURY. PENDLEBURY. 15th March 1862.	726. JOHN TOMLINSON PENDLEBURY, Blacksmith, and THOMAS PENDLEBURY, Mechanic, both of Bury, in the County of Lancaster, for an invention for—"An improved form of lubricator." <i>Letters Patent sealed.</i>
CLARK. 17th March 1862.	727. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in water meters."— <i>A communication to him from abroad by Mr. Frank Grant Johnson, of Brooklyn, King's County, State of New York, United States of America, Doctor of Medicine.</i> <i>Letters Patent sealed.</i>
STOCKER. STOCKER. 17th March 1862.	728. ALEXANDER SOUTHWOOD STOCKER, and ALEXANDER RICHMOND STOCKER, both of Wolverhampton, in the County of Stafford, Manufacturers, for an invention for—"Improvements in the manufacture and construction of metal boot heels and tips and horse shoes." <i>Letters Patent sealed.</i>
GEDGE. 17th March 1862.	729. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of crinolines."— <i>A communication to him from abroad by Jules Libert, of the firm of Libert and Company, of Boulogne-sur-Mer, in the Empire of France.</i> <i>Provisional protection only.</i>
LORD. GILBART. 17th March 1862.	730. WILLIAM BARRY LORD, of Plymouth, in the County of Devon, Veterinary Surgeon, Royal Artillery, and FREDERIC HUGHES GILBART, of Brixton, in the County of Surrey, Gentleman, for an invention for—"Improved means or apparatus for raising, lowering and releasing ships' boats or other heavy bodies." <i>Letters Patent sealed.</i>
MONGRUEL. 17th March 1862.	731. LOUIS PIERRE MONGRUEL, of 7, Rue Vivienne, Paris, in the Empire of France, for an invention for—"An improved cold vapor generator which may also be used in the carburation of illuminating gas." <i>Letters Patent sealed.</i>
BOWSER. 17th March 1862.	732. WILLIAM BOWSER, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in ships' fire hearths or boiling and cooking apparatus." <i>Letters Patent sealed.</i>
DAVIES. 17th March 1862.	733. GEORGE DAVIES, of No. 1, Serles Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improved apparatus for drawing."— <i>A communication to him from abroad by Joséphin Soulay, of Paris, France.</i> <i>Provisional protection only.</i>

WEEMS. WEEMS. 17th March 1862.	734. JOHN WEEMS, and WILLIAM WEEMS, both of Johnstone, in the County of Renfrew, North Britain, Engineers, for an invention for—"Improvements in apparatus for indicating the pressure or quantity and in regulating the discharge of fluids." <i>Letters Patent sealed.</i>
TODD. 17th March 1862.	735. BRERETON TODD, of Bissoe and Perran Smelting Works, near Falmouth, in the County of Cornwall, for an invention for—"Improvements in the manufacture of antimony and the oxide of antimony." <i>Letters Patent sealed.</i>
BARFORD. 17th March 1862.	736. WILLIAM BARFORD, of the firm of Amies and Barford, of Peterborough, in the County of Northampton, Agricultural Implement Makers, for an invention for—"Improvements in rollers for rolling land." <i>Letters Patent sealed.</i>
BARBER. 17th March 1862.	737. WILLIAM BARBER, of Stockport, in the County of Chester, for an invention for—"Improvements in the manufacture of hats." <i>Letters Patent sealed.</i>
BOUSFIELD. 17th March 1862.	738. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in cranks for driving sewing-machines and other machinery."— <i>A communication to him from abroad by Turner Williams, a person resident at Providence, State of Rhode Island, of the United States of North America.</i> <i>Letters Patent sealed.</i>
COURTAULD. 17th March 1862.	739. JOHN MINTON COURTAULD, of Braintree, in the County of Essex, Manufacturer, for an invention for—"Improvements in power-looms." <i>Letters Patent sealed.</i>
HICKS. 17th March 1862.	740. JAMES HICKS, of Hatton Garden, in the County of Middlesex, Meteorological Instrument Maker, for an invention for—"Improvements in mercurial barometers." <i>Provisional protection only.</i>
SMITH. 17th March 1862.	741. EPHRAIM SMITH, of Carlisle Street, Soho, in the County of Middlesex, Jeweller, for an invention for—"An improvement in watch keys." <i>Provisional protection only.</i>
GOSSAGE. 17th March 1862.	742. WILLIAM GOSSAGE, of Widnes, in the County of Lancaster, Chemist, for an invention for—"Improvements in the manufacture of soda and potash." <i>Letters Patent sealed.</i>
WALLER. 17th March 1862.	743. THOMAS WALLER, of Conduit Street West, in the County of Middlesex, Gentleman, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Christopher Tyler, Stephen Wood Egerton Marcy, and John Wilkinson, all of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
MYERS. 17th March 1862.	744. THOMAS MYERS, of Brighton, in the County of Sussex, Gentleman, for an invention for—"Improvements in meters for measuring water, gas or other fluids." <i>Letters Patent sealed.</i>
MENNONS. 18th March 1862.	745. MARC ANTOINE FRANÇOIS MENNON, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"A new or improved means of arresting headstrong or runaway horses."— <i>A communication from Augustin Durand (M.D.), a person resident at Bourg-la-Reine (Dept. de la Seine), in France.</i> <i>Complete specification; Letters Patent sealed.</i>
MENNONS. 18th March 1862.	746. MARC ANTOINE FRANÇOIS MENNON, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"An improved combination of cooling and filtering apparatus forming a safe for the preservation of solid and liquid provisions."— <i>A communication from Joseph Weatherby Bartlett, a person resident at No. 419, Broadway, New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
MENNONS. 18th March 1862.	747. MARC ANTOINE FRANÇOIS MENNON, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"The application to the manufacture of paper pulps of a vegetable product not hitherto used for that purpose."— <i>A communication from Frédéric Thierry Pitoy-Millot, a person resident at No. 12, Faubourg St. Pierre, Nancy (Dept. de la Meurthe), in France.</i> <i>Provisional protection only.</i>

MENNONS.
18th March 1862.

748. MARC ANTOINE FRANÇOIS MENNON, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"An improved needle threading apparatus."—*A communication from Jules Fouquet, a person resident at No. 18, Rue de Vaux, Vitry-lé-François (Dept. de la Marne), in France.*
Provisional protection only.

BANKS.
18th March 1862.

749. JAMES BANKS, of No. 19, Salisbury Street, Adelphi, Electric Engineer, for an invention for—"Improvements in electro-magnetic telegraph printing apparatus or marking instruments, and the instruments or apparatus to be used in connection therewith."
Letters Patent sealed.

BAILLY.
18th March 1862.

750. HENRY BAILLY, of 5, Salters Hall Court, Cannon Street, E.C., in the City of London, Merchant, for an invention for—"Improvements in the manufacture of paper from wood and in apparatus used therein."—*A communication from abroad by Ernest Autreux and Michel and Joseph Cotton, Brothers, Merchants, of La Rochelle (Departement Lower Charente), in France.*
Provisional protection only.

DUNN.
18th March 1862.

751. THOMAS DUNN, of the Windsor Bridge Iron Works, Pendleton, near the City of Manchester, Engineer, for an invention for—"Improvements in the construction of bridges, roofs, houses and other structures."
Letters Patent sealed.

TONGUE.
18th March 1862.

752. WILLIAM TONGUE, of Bradford, in the County of York, Engineer, for an invention for—"Improvements in machinery and in processes for preparing, heckling, dressing and combing flax, hemp, silk and other fibrous materials."
Letters Patent sealed.

ILES.
18th March 1862.

753. CHARLES ILES, of Birmingham, in the County of Warwick, for an invention for—"Improvements in the manufacture of umbrellas and parasols."
Provisional protection only.

BEAUMONT.
ESCALIER.
18th March 1862.

754. ANDRÉ ALEXANDRE BEAUMONT, and JOSEPH AUGUSTIN ESCALIER, of 2, Rue Ste. Appoline, Paris, France, and of 4, South Street, Finsbury, London, for an invention for—"A new kind of flying top."
Provisional protection only.

JAKUES.
FANSHAWE.
JAKUES.
18th March 1862.

755. JAMES ARCHIBALD JAKUES, Chemist, and JOHN AMERICUS FANSHAWE, Engineer, both of Tottenham, in the County of Middlesex, and FRANK JAKUES, of Droylesdon, in the County of Lancaster, Gentleman, for an invention for—"Improvements in the construction of elastic surface rollers."
Letters Patent sealed.

RONKETTI.
18th March 1862.

756. JOSEPH ANTHONY RONKETTI, of 31, Northampton Road, Clerkenwell, in the County of Middlesex, Meteorological Instrument Maker, for an invention for—"Improvements in meteorological instruments and thermometers."
Provisional protection only.

WRIGHT.
WHEATCROFT.
18th March 1862.

757. JAMES WRIGHT, of 42, Bridge Street, Blackfriars, City of London, Engineer, and HENRY WHEATCROFT, of 27, Fore Street, City of London, Manufacturer, for an invention for—"Improvements in apparatus or machinery for lasting and making boots and shoes."
Provisional protection only.

SLACK.
18th March 1862.

758. SAMUEL SLACK, of West Street, Sneinton, in the Parish of Sneinton, in the County of Nottingham, Lace Maker, for an invention for—"Improvements in the manufacture of stockings and other fabrics, and in circular knitting-machines."
Letters Patent sealed.

WARNER.
18th March 1862.

759. FREDERICK WARNER, of 8, Crescent, Cripplegate, in the City of London, for an invention for—"Improvements in cocks or taps."
Letters Patent sealed.

BROOMAN.
18th March 1862.

760. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of barytes and barytic products, and the application of these substances in the manufacture of sugar and other uses."—*A communication to him from abroad by Alfred Delaune, of Paris, France.*
Letters Patent sealed.

BUCK.
18th March 1862.

761. JOHN TURNER BUCK, of New North Road, in the County of Middlesex, Dressing Case Maker, for an invention for—"Improvements in instrument and work cases known as ladies' companions."
Provisional protection only.

KRUPP.
19th March 1862.

762. ALFRED KRUPP, of Essen, in Rhenish Prussia, Cast Steel Manufacturer, for an invention for—"Certain improvements in the method of manufacturing shafts for steam boats and other purposes."
Provisional protection only.

HADFIELD. SHIPMAN. 19th March 1862.	763. ROBERT HADFIELD, and JABEZ SHIPMAN, both of Attercliffe, in the Borough of Sheffield and County of York, Wire Drawers and Manufacturers, for an invention for—"Improvements in hardening and tempering wire and crinoline steel." <i>Letters Patent sealed.</i>
DESBOROUGH. 19th March 1862.	764. SPENDLOVE DESBOROUGH, of Noble Street, St. Martin's-le-Grand, in the City of London, Manufacturer, for an invention for—"Improvements in the manufacture or construction of sewing or other needles." <i>Provisional protection only.</i>
WILSON. 19th March 1862.	765. ROBERT WILSON, of Patricroft, near the City of Manchester, Engineer, for an invention for—"Improvements in hydraulic presses and in machinery or apparatus for raising or forcing fluids." <i>Letters Patent sealed.</i>
MOORE. 19th March 1862.	766. SAMPSON MOORE, of Liverpool, in the County of Lancaster, Millwright, Engineer and Ironfounder, for an invention for—"Certain improvements in machinery for compressing and cutting tobacco." <i>Letters Patent sealed.</i>
BROOMAN. 19th March 1862.	767. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for "Improvements in printing and painting upon glass and ceramic wares, and upon metallic and mineral substances, also in the preparation of inks and colours for printing and painting."— <i>A communication to him from abroad by Charles Raphael Maréchal and Ciprien Marie Tessie du Motay, of Paris, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 19th March 1862.	768. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in reproducing or in producing copies of guipure lace embroidery and other like articles."— <i>A communication to him from abroad by Rosalie Clémentine Tillard, of Paris, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 19th March 1862.	769. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in rotary engines."— <i>A communication to him from abroad by Serkis Ballian, of Constantinople, Turkey.</i> <i>Letters Patent sealed.</i>
BROOMAN. 19th March 1862.	770. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatuses for drawing in and paying out chain cables, applicable to windlasses and capstans."— <i>A communication to him from abroad by Jean Salette, of Marseilles, France.</i> <i>Letters Patent sealed.</i>
CUMMING. 19th March 1862.	771. JOHN CUMMING, of Edinburgh, Artist, for an invention for—"Improvements in the method of and apparatus for distributing and setting up type." <i>Letters Patent sealed; no specification filed.</i>
TODD. 19th March 1862.	772. GEORGE MEEK TODD, of No. 84, Hackney Road, in the County of Middlesex, for an invention for—"Improvements in shuttle sewing-machines and the production of a new kind of stitch thereby." <i>Provisional protection only.</i>
SAMUELSON. 20th March 1862.	773. BERNHARD SAMUELSON, of Banbury, in the County of Oxford, Agricultural Engineer, for an invention for—"Improvements in chain harrows." <i>Letters Patent sealed.</i>
CAMPBELL. 20th March 1862.	774. JOHN GEORGE TRUSCOTT CAMPBELL, of No. 1, Hatcham Terrace, Old Kent Road, in the County of Surrey, Clerk, for an invention for—"Certain improvements in ships' propellers." <i>Provisional protection only.</i>
HILL. 20th March 1862.	775. ALBERT HILL, of Cheddar, in the County of Somerset, Stay Manufacturer, for an invention for—"An improved fastening for stays." <i>Letters Patent sealed.</i>
ROBERTS. 20th March 1862.	776. ROBERT MARTIN ROBERTS, of Kensington, in the County of Middlesex, Mining Engineer, for an invention for—"Improvements in obtaining and applying motive-power." <i>Provisional protection only.</i>
SMITH. 20th March 1862.	777. EDWIN SMITH, of Sheffield, in the County of York, Sculptor, for an invention for—"Improvements in means or apparatus for cutting stone, wood and other material, which improvements are also applicable to modelling in plastic material." <i>Letters Patent sealed.</i>

FIELD. 20th March 1862.	778. EDWARD FIELD, of Buckingham Street, Adelphi, in the City of Westminster and County of Middlesex, Consulting Engineer, for an invention for—"Improvements in apparatus for regulating the flow of gaseous and other fluids." <i>Letters Patent sealed.</i>
BADDELEY. 20th March 1862.	779. WILLIAM BADDELEY, of Angell Terrace, Islington, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"An improved method of preparing tobacco for smoking and in apparatus to be used for that purpose."— <i>A communication to him from abroad by Charles Hoppe, of Cologne, in Germany.</i> <i>Provisional protection only.</i>
CLARK. 20th March 1862.	780. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of soap."— <i>A communication to him from abroad by Mr. Antoine Auguste Mollard, of 29, Boulevard St. Martin, Paris, Merchant.</i> <i>Provisional protection only.</i>
THOMPSON. 20th March 1862.	781. JOHN GEORGE THOMPSON, of Madras, in the East Indies, now residing at Porchester Place, in the County of Middlesex, Gentleman, for an invention for—"Improvements in piano-fortes, organs, harmoniums and other instruments having key-boards." <i>Provisional protection only.</i>
SIEBE. 21st March 1862.	782. DANIEL EDWARDS SIEBE, of Mason Street, Lambeth, in the County of Surrey, Engineer and Machinist, for an invention for—"Improvements in machinery or apparatus for refrigerating or producing cold, part of which improvements are applicable also to other purposes." <i>Letters Patent sealed.</i>
KAY. 21st March 1862.	783. ROBERT KAY, of Castleton Print Works, Blue Pits, in the County of Lancaster, Calico Printer, for an invention for—"Certain improvements in the method of printing calico and other surfaces, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
CURTIS. 21st March 1862.	784. WILLIAM JOSEPH CURTIS, of 13, Tufnell Park Road, Holloway, Civil Engineer, for an invention for—"An apparatus to ascertain and point out the fares and earnings or receipts of public vehicles and their conductors." <i>Provisional protection only.</i>
NEWALL. 21st March 1862.	785. JAMES NEWALL, of Bury, in the County of Lancaster, Railway Carriage Builder, for an invention for—"Improvements in supplying gas to railway carriages, stations, steam boats and other vessels, omnibusses or other carriages, at any required pressure, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
HART. LAVENDER. 21st March 1862.	786. JOHN MATTHIAS HART, of 76, Cheapside, in the City of London, and Robert Lavender, of 332, Goswell Road, both in the County of Middlesex, for an invention for—"Improvements in means for generating steam." <i>Letters Patent sealed.</i>
FAWCETT. 21st March 1862.	787. JAMES FAWCETT, of Wakefield, in the County of York, Corn and Fulling Miller, for an invention for—"Improvements in the manufacture of soap particularly applicable to the scouring, cleansing and fulling of woollen or other cloths." <i>Letters Patent sealed.</i>
HUMPHRYS. 21st March 1862.	788. JAMES HUMPHRYS, of Tower Hill, in the County of Middlesex, Engineer, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
MATHEW. 21st March 1862.	789. BROWNLOW HUGH MATHEW, of Saint James', in the County of Middlesex, Lieutenant Royal Bombay Engineers, for an invention for—"Improvements in fire-arms and in cartridges." <i>Letters Patent sealed.</i>
PHELPS. LYMBERY. 21st March 1862.	790. WILLIAM PHELPS, Manager for Henry Carey, of Nottingham, Lace Manufacturer, and WILLIAM ROE LYMBERY, also of Nottingham, Lace Maker, for an invention for—"An improved woven fabric and improvements in machinery for manufacturing the same." <i>Provisional protection only.</i>
WARBRICK. WARBRICK. TRAVIS. 21st March 1862.	791. JAMES WARBRICK, and WILLIAM WARBRICK, Machine Makers, and ALFRED TRAVIS, Foreman, all of Furnace Hill Iron Works, Dukinfield, in the County of Chester, for an invention for "Improvements in engines for carding cotton and other fibrous materials." <i>Provisional protection only.</i>

- CLARK.**
21st March 1862. 792. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in sewing-machines, which improvements are also partly applicable to other machinery for giving a rotating motion always in the same direction."—*A communication to him from abroad by Mr. Charles Rhodes Goodwin, of 29, Boulevard St. Martin, Paris, Manufacturer.*
Provisional protection only.
- ABERCROMBIE.**
22nd March 1862. 793. DAVID ABERCROMBIE, Mechanic, in the employment of Messieurs Alexander Paul and Company, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in power looms."
Letters Patent sealed.
- MARSH.**
22nd March 1862. 794. THOMAS MARSH, of West Bromwich, in the County of Stafford, Hame Manufacturer, for an invention for—"An improvement or improvements in hames for horses and other draught animals."
Letters Patent sealed.
- FONTENAY.**
22nd March 1862. 795. TONI FONTENAY, of Grenoble, France, Civil Engineer, for an invention for "Improvements in smoke-consuming furnaces."
Letters Patent sealed.
- OWEN.**
22nd March 1862. 796. EVAN OWEN, of Bala, in the County of Merioneth, North Wales, Joiner, for an invention for—"Certain improvements in the hydraulic engines known as turbines."
Provisional protection only.
- LORD.**
22nd March 1862. 797. EDWARD LORD, of Todmorden, in the county of York, Machine Maker, for an invention for—"Improvements in certain machines for preparing cotton and other fibrous substances."
Letters Patent sealed.
- DAVIS.**
22nd March 1862. 798. JOHN DAVIS, of Kennington, in the County of Surrey, Band Master to the Civil Service Rifle Volunteers, for an invention for—"Improvements in wind musical instruments."
Letters Patent sealed.
- GLADSTONE.**
22nd March 1862. 799. ROBERTSON GLADSTONE, of Court Hey, Broad Green, in the County of Lancaster, Merchant, for an invention for—"Certain improvements in tilting or tipping waggons."
Letters Patent sealed.
- COLLS.**
HADEN.
22nd March 1862. 800. FREDERICK WILLIAM COLLS, of Deptford, in the County of Kent, and PETER HADEN, of Hackney, in the County of Middlesex, for an invention for—"Improvements in consuming smoke and in the apparatus connected therewith."
Provisional protection only.
- TUCK.**
22nd March 1862. 801. JOSEPH HENRY TUCK, of No. 35, Cannon Street, in the City of London, for an invention for—"Improvements in the manufacture of flexible valves."
Letters Patent sealed.
- JENNINGS.**
22nd March 1862. 802. JOSIAH GEORGE JENNINGS, of Holland Street, Blackfriars Road, in the County of Surrey, for an invention for—"Improvements in the manufacture of biscuits."
Letters Patent sealed.
- SMITH.**
22nd March 1862. 803. THOMAS MOSDELL SMITH, of High Street, Kensington, in the County of Middlesex, for an invention for—"Improvements in the manufacture of candles."
Provisional protection only.
- HALE.**
22nd March 1862. 804. THOMAS FREDERICK HALE, of the City of Bristol, Brass Founder, for an invention for—"Improvements in valves."
Provisional protection only.
- HOLIDAY.**
22nd March 1862. 805. WILLIAM HOLIDAY, of the Union Foundry, Bradford, in the County of York, Engineer, for an invention for—"Improvements in the manufacture of press plates."
Letters Patent sealed.
- HARTSHORNE.**
WARD.
WOOLLEY.
22nd March 1862. 806. GEORGE HARTSHORNE, the younger, and DANIEL GRAINGER WARD, of Dudley, in the County of Worcester, Iron Merchants and Copartners, and WILLIAM WOOLLEY, of Tipton, in the County of Stafford, Boiler Maker, for an invention for—"Improvements in punching or perforating metal plates or sheets and in apparatus or machinery to be employed for that purpose."
Letters Patent sealed.
- HENRY.**
22nd March 1862. 807. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in kilns, ovens and furnaces."—*A communication to him from abroad by the Société Coignet, père et fils, et Compagnie, of 33, Boulevard Saint Martin, Paris, France.*
Letters Patent sealed.
- BRIERLEY.**
24th March 1862. 808. JOHN HENRY BRIERLEY, of Beech Hill Mills, Halifax, in the County of York, for an invention for—"An improved clasp or fastener for reversible belts, bands or straps."
Letters Patent sealed.

CLARKE. 24th March 1862.	809. JOHN CLARKE, of Shiffnal, in the County of Salop, Manufacturer, for an invention for—"An improvement or improvements in carriage axles." <i>Provisional protection only.</i>
WHITE. 24th March 1862.	810. THOMAS WHITE, of Birmingham, in the County of Warwick, Managing Clerk, for an invention for—"Improvements in the manufacture and ornamentation of nut crackers and lobster crackers." <i>Letters Patent sealed.</i>
TURNER. 24th March 1862.	811. SAMUEL ELLISON TURNER, of Birkenhead, in the County of Chester, for an invention for—"An improved apparatus for burning a mixture of inflammable gas and air." <i>Provisional protection only.</i>
ROULLIER. 24th March 1862.	812. CHARLES MARIEN ROULLIER, of Paris, in the French Empire, Manufacturer, for an invention for—"Improvements in flat cables or chains." <i>Provisional protection only.</i>
FLEET. 24th March 1862.	813. BENJAMIN FLEET, of East Street, Walworth, in the County of Surrey, Soda Water Manufacturer, for an invention for—"Improvements in apparatus for manufacturing and bottling soda water." <i>Letters Patent sealed.</i>
TOPHAM. 24th March 1862.	814. JOHN TOPHAM, of the Town and County of the Town of Nottingham, Machinist, for an invention for—"Improvements in apparatus used for cleansing out the scum and removing the sediment from the water in steam-boilers and preventing incrustation therein." <i>Letters Patent sealed.</i>
MOREWOOD. WHYTOCK. 24th March 1862.	815. EDMUND MOREWOOD, of Stratford, in the County of Essex, and ANDREW WHYTOCK, of Little St. Andrew Street, St. Martin's Lane, in the County of Middlesex, for an invention for—"Improvements in the process of coating metals and in the apparatus employed." <i>Letters Patent sealed.</i>
HENSON. 24th March 1862.	816. WILLIAM HENSON, of Great Alfred Street, Nottingham, in the County of Nottingham, Engineer, for an invention for—"Improvements in knitting-machinery." <i>Letters Patent sealed; no specification filed.</i>
STEWART. 24th March 1862.	817. JOHN STEWART, of Glasgow, in the County of Lanark, North Britain, Plumber, for an invention for—"Improvements in the manufacture of cards for jacquard weaving."— <i>A communication to him from abroad by Louis Joseph Fillion, residing at Gronges, Aisne, France.</i> <i>Letters Patent sealed.</i>
MENNONS. 24th March 1862.	818. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"Certain improvements in machinery for the production of ornamental stitching or embroidery."— <i>A communication from Paul Nicolas Legris, a person resident at Jullaucourt, Canton of Delme (Dept. de la Merthe), in France.</i> <i>Complete specification; Letters Patent sealed.</i>
MOLYNEUX. 25th March 1862.	819. ECHLIN MOLYNEUX, junior, of Seaview, Enniskerry, in the County of Wicklow, Ireland, for an invention for—"Improvements in air, gas and vapour engines." <i>Provisional protection only.</i>
RENTON. COTTAM. 25th March 1862.	820. AMHERST HAWKER RENTON, of 14, Royal Avenue Terrace, Chelsea, in the County of Middlesex, Civil Engineer, and EDWARD COTTAM, of Pimlico, in the County of Middlesex, Engineer, of the firm of Robinson & Cottam, for an invention for—"Improvements in apparatus for steering ships." <i>Provisional protection only.</i>
BEAUMONT. EDGE. 25th March 1862.	821. WALTER BEAUMONT, Lieutenant 33rd Lancashire Rifle Volunteers, and JOHN WILLIAM EDGE, Gun and Rifle Manufacturer, both of Manchester, in the County of Lancaster, for an invention for—"Improvements in sights for rifles." <i>Letters Patent sealed.</i>
FRYER. 25th March 1862.	822. ALFRED FRYER, of Manchester, in the County of Lancaster, Sugar Refiner, for an invention for—"Improvements in the manufacture of sugar and in separating liquids from sugar and other substances." <i>Letters Patent sealed.</i>
SILBER. 25th March 1862.	823. ALBERT MARCIUS SILBER, of the firm of Silber and Fleming, of Wood Street, in the City of London, Merchants, for an invention for—"An improved fastening for purses, pocket books, bags and other articles."— <i>A communication to him from abroad by Johann Georg Klein, of Offenbach, in Germany.</i> <i>Provisional protection only.</i>

GUIBAL. 25th March 1862.	824. THEOPHILE GUIBAL, of No. 43, Rue des Groseillers, Mons, in the Kingdom of Belgium, Civil Engineer, for an invention for—"Improvements in the construction of ventilators for the ventilation of mines and furnaces." <i>Letters Patent sealed.</i>
MOREWOOD. WHYTOCK. 25th March 1862.	825. EDMUND MOREWOOD, of Stratford, in the County of Essex, and ANDREW WHYTOCK, of Little St. Andrew Street, St. Martin's Lane, in the County of Middlesex, for an invention for—"Improvements in the manufacture or shaping of iron or other material." <i>Letters Patent sealed.</i>
PALMER. 25th March 1862.	826. WILLIAM PALMER, of Sutton Street, Clerkenwell, in the County of Middlesex, for an invention for—"Improvements in lamps." <i>Provisional protection only.</i>
CULLING. 25th March 1862.	827. CHARLES CULLING, of Downham Market, in the County of Norfolk, Gun Maker, for an invention for—"Improvements in fire-arms." <i>Provisional protection only.</i>
CLISSOLD. 25th March 1862.	828. WILLIAM CLISSOLD, of Dudbridge Works, near Stroud, in the County of Gloucester, Machine Manufacturer, for an invention for—"Improvements in carding-engines." <i>Letters Patent sealed.</i>
LOFT. 25th March 1862.	829. JOHN THOMAS LOFT, of Brooklyn, New York, United States of America, but now residing at Berwick Street, Pimlico, in the County of Middlesex, Architect, for an invention for—"Improved machinery for covering strips of metal and wire." <i>Letters Patent sealed.</i>
DE LA PEYROUSE. 26th March 1862.	830. LÉO DE LA PEYROUSE, of 13, Panton Square, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in the preservation of animal substances." <i>Letters Patent sealed.</i>
JOHNSON. 26th March 1862.	831. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in apparatus for cleaning tubes and flues of steam-boilers and similar conduits."— <i>A communication to him from abroad by Claude Dumas, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
WILSON. 26th March 1862.	832. JOHN WILSON, Hotpresser and Calenderer, in Glasgow, in the County of Lanark, for an invention for—"Improvements in the apparatus used for and in the method of hotpressing or finishing plaids, shawls, handkerchiefs and other woven fabrics." <i>Letters Patent sealed.</i>
PARKER. 26th March 1862.	833. JAMES PARKER, of Huddersfield, in the County of York, Engineer, for an invention for—"Improvements in steam-engines and in apparatus connected therewith."— <i>The result partly of communication from abroad made to him by Bernhard August Schaffer, of Magdeburg, in the Kingdom of Prussia, and partly of invention and discovery made by himself.</i> <i>Letters Patent sealed.</i>
TAYLOR. 26th March 1862.	834. WILLIAM JOHN TAYLOR, of No. 5, Upper Church Street, King's Road, Chelsea, in the County of Middlesex, for an invention for—"An improved method of colouring Portland cement for plain and ornamental plasterers-work on the walls of buildings and other erections." <i>Provisional protection only.</i>
NUNN. 26th March 1862.	835. HENRY NUNN, of Chelsea, in the County of Middlesex, Whitesmith, for an invention for—"Improvements in the construction of mangles." <i>Letters Patent sealed.</i>
BOBY. 26th March 1862.	836. ROBERT BOBY, of Bury St. Edmund's, in the County of Suffolk, Agricultural Implement Maker, for an invention for—"Improvements in haymaking machines." <i>Letters Patent sealed.</i>
BOOTHMAN. 26th March 1862.	837. JAMES BOOTHMAN, of Gisburn, near Skipton, in the County of York, Farmer, for an invention for—"Improvements in bee hives and apparatus connected therewith." <i>Provisional protection only.</i>
TAYLOR. MINCHIN. 26th March 1862.	838. JOHN TAYLOR, Civil Engineer, and CHARLES HENRY MINCHIN, Accountant, both of the City of Manchester, in the County of Lancaster, for an invention for—"A suspender or improved gallery for supporting the shades of gas or other lights." <i>Provisional protection only.</i>

CARR. 26th March 1862.	839. HENRY CARR, of No. 4, Victoria Street, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in applying lubricating fluids to the journals of railway carriages and locomotive engines." <i>Provisional protection only.</i>
GRIFFITHS. 26th March 1862.	840. ROBERT GRIFFITHS, of 69, Mornington Road, Regent's Park, Engineer, for an invention for—"Improvements in weapons of warfare for naval purposes." <i>Provisional protection only.</i>
WINANS. 27th March 1862.	841. WILLIAM LOUIS WINANS, of Brighton, in the County of Sussex, Civil Engineer, for an invention for—"A new or improved mode of mounting and apparatus for manœuvring ordnance in land fortifications." <i>Letters Patent sealed.</i>
NEWTON. 27th March 1862.	842. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved process of and apparatus for separating the fibres of wood, flax, hemp and other vegetable substances, and extracting the coloring matters therefrom."— <i>A communication to him from abroad by Azel Storrs Lyman, of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
HAWORTH. 27th March 1862.	843. JOHN HAWORTH, of 22, Southampton Street, in the Parish of Bloomsbury, in the County of Middlesex, Gentleman, for an invention for—"An improved method of conveying telegraphic messages and signals by means of electricity, without the intervention of any continuous artificial conductor." <i>Letters Patent sealed.</i>
GREENWAY. 27th March 1862.	844. WILLIAM GREENWAY, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of bolts for fastening doors and for other like purposes." <i>Letters Patent sealed.</i>
SCHNEITER. 27th March 1862.	845. JEAN DAVID SCHNEITER, of Paris, France, Geographer, for an invention for—"An improved method for printing letters, numbers, musical or other characters or signs on maps, plans, sheets of music paper or other similar impressions." <i>Provisional protection only.</i>
GREENSTREET. 27th March 1862.	846. THOMAS GEORGE GREENSTREET, of 6, Penton Place, Kennington Road, in the County of Surrey, for an invention for—"Improvements in window sashes." <i>Provisional protection only.</i>
TOLHAUSEN. 27th March 1862.	847. FREDERICK TOLHAUSEN, C.E. and Patent Agent, of 17, Faubourg Montmartre, Paris, in the Empire of France, for an invention for—"New or improved cigar-tubes or apparatus for holding and smoking cigars and cigarets."— <i>A communication from Joseph Charles Toussaint, a person resident at No. 17, Faubourg Montmartre, aforesaid.</i> <i>Complete specification; Letters Patent sealed.</i>
EDWARDS. 27th March 1862.	848. RICHARD EDWARDS, of Regent Street, Mile End, in the County of Middlesex, Emery Manufacturer, for an invention for—"Improvements in machinery and apparatus for pulverizing, stamping and washing mineral, animal and vegetable substances." <i>Letters Patent sealed.</i>
HENSON. HENSON. 27th March 1862.	849. WILLIAM FREDERICK HENSON, of 15, New Cavendish Street, Portland Place, in the County of Middlesex, Civil Engineer, and HENRY HENSON HENSON, of No. 13, Parliament Street, Civil Engineer, for an invention for—"Improvements in wicks for candles and lamps." <i>Provisional protection only.</i>
LOCK. 27th March 1862.	850. JAMES LOCK, of Nassington, in the County of Northampton, for an invention for—"Improvements in apparatus for raising or elevating straw and crops on to stacks." <i>Provisional protection only.</i>
MONCKTON. 27th March 1862.	851. EDWARD HENRY CRADOCK MONCKTON, of 5, Thurloe Place, South Kensington, in the County of Middlesex, Esquire, for an invention for—"Improvements in the manufacture of effervescing liquids." <i>Provisional protection only.</i>
CLÉMENCE. 27th March 1862.	852. JEANNE LOUISE HENRIETTE CLÉMENCE, Comtesse de Vernede de Corneillan, of Paris, in the French Empire, for an invention for—"Improvements in treating open cocoons of silk-worms and in converting the waste resulting therefrom into paper." <i>Letters Patent sealed.</i>
BROOMAN. 27th March 1862.	853. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in machinery for preparing, combing and dressing vegetable fibres."— <i>A communication to him from abroad by John Andrew De Brame, of New York, United States of America.</i> <i>Provisional protection only.</i>

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| <p>DE BARY.
27th March 1862.</p> <p>EASTERBROOK.
ALLCARD.
27th March 1862.</p> <p>GEDGE.
27th March 1862.</p> <p>EMERY.
27th March 1862.</p> <p>JOHNSON.
27th March 1862.</p> <p>SMITH.
COVENTRY.
27th March 1862.</p> <p>BIRKBECK.
27th March 1862.</p> <p>ALLCROFT.
28th March 1862.</p> <p>JONES.
28th March 1862.</p> <p>ASHE.
28th March 1862.</p> <p>NATION.
28th March 1862.</p> <p>OWEN.
28th March 1862.</p> <p>NOUALHIER.
28th March 1862.</p> <p>LUCETTI.
28th March 1862.</p> <p>JOHNSON.
28th March 1862.</p> | <p>854. ROBERT DE BARY, of Finsbury Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery for the manufacture of cigars."—<i>A communication to him from abroad by Julius de Bary, of Offenbach, Hesse Darmstadt.</i>
<i>Letters Patent sealed.</i></p> <p>855. JOHN EASTERBROOK and JAMES HOBSON ALLCARD, of Sheffield, in the County of York, Manufacturers, for an invention for—"Improvements in vices."
<i>Provisional protection only.</i></p> <p>856. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for extinguishing fire."—<i>A communication to him from abroad by Gabriel Brasseur, of No. 15, Passage des Petites Ecuries, Paris, France.</i>
<i>Letters Patent sealed.</i></p> <p>857. SAMUEL ANDERSON EMERY, of Arundel Street, Coventry Street, in the City of Westminster, Comedian, for an invention for—"Improvements in the manufacture of soap."
<i>Provisional protection only.</i></p> <p>858. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in thrashing-machines."—<i>A communication to him from abroad by Auguste Bernard Albaret, of Paris, in the Empire of France, Mechanician.</i>
<i>Provisional protection only.</i></p> <p>859. WILLIAM FORD SMITH and ARTHUR COVENTRY, of Gresley Iron Works, Ordsal Lane, Salford, in the County of Lancaster, Engineers and Machinists, for an invention for—"Improvements in and applicable to lathes and machines for turning and for cutting screws."
<i>Letters Patent sealed.</i></p> <p>860. GEORGE HENRY BIRKBECK, of the firm of Tongue & Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents and Engineers, for an invention for—"Improvements in the means of producing imitation mosaics."—<i>A communication to him from abroad by Charles Auguste Le Bourg, Statuary, of Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>861. GEORGE ALLCROFT, of 2, Church Row, Camberwell, in the County of Surrey, for an invention for—"Improvements in pressure and vacuum gauges."
<i>Provisional protection only.</i></p> <p>862. JAMES JONES, of Mersey Bank, Warrington, in the County of Lancaster, Engineer, for an invention for—"Improvements in apparatus for raising and forcing liquids."
<i>Provisional protection only.</i></p> <p>863. WILLIAM AUSTIN ASHE, of Bolton Place, in the County of Middlesex, Gentleman, for an invention for—"An improved mode of and apparatus for driving the propelling shafts of ships or vessels."—<i>A communication to him from abroad by Edward David Ashe, of Quebec, in Lower Canada.</i>
<i>Letters Patent sealed.</i></p> <p>864. WILLIAM BRYER NATION, Analytical Chemist, of Bagley Works, Battersea, in the County of Surrey, for an invention for—"Improvements in manufacturing boxes or cases and in the machinery or apparatus employed therein."
<i>Letters Patent sealed.</i></p> <p>865. ROBERT ALEXANDER OWEN, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in feathering and varying the pitch of screw propellers for steam ships."
<i>Letters Patent sealed.</i></p> <p>866. EUGENE THEODORE NOUALHIER, of Paris, Manufacturer, for an invention for—"An improved ventilator."
<i>Letters Patent sealed.</i></p> <p>867. ANTONIO LUCETTI, of the City of Glasgow, North Britain, Confectioner, for an invention for—"Improvements in apparatus for expressing the juice from pulpy fruit."
<i>Provisional protection only.</i></p> <p>868. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in chaff cutters."—<i>A communication to him from abroad by Auguste Bernard Albaret, of Paris, in the Empire of France, Mechanician.</i>
<i>Provisional protection only.</i></p> |
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SMITH. 28th March 1862.	869. EDMUND SMITH, of Hamburg, Gas Meter Manufacturer, for an invention for—"Improvements in wet gas meters." <i>Letters Patent sealed.</i>
LUBLINSKI. 28th March 1862.	870. ROBERT LUBLINSKI, of 183 & 185, City Road, London, E.C., Stick Manufacturer, for an invention for—"An improved method of jointing crutch hooks on umbrellas or walking canes." <i>Letters Patent sealed.</i>
KAY. 29th March 1862.	871. ROBERT KAY, of Castleton Print Works, Blue Pits, in the County of Lancaster, Calico Printer, for an invention for—"Certain improvements in printing calicoes and other surfaces and in apparatus connected therewith." <i>Provisional protection only.</i>
BOUCHER. 29th March 1862.	872. JOHN BOUCHER, of No. 3, Surrey Villas, Camberwell New Road, in the County of Surrey, Gentleman, for an invention for—"Improvements in rifled ordnance and fire-arms and in the projectiles to be used therewith." <i>Letters Patent sealed.</i>
PARFREY. 29th March 1862.	873. YOUNGS PARFREY, of Upper Belgrave Place, Pimlico, in the County of Middlesex, Engineer, for an invention for—"Improvements in breech loading fire-arms." <i>Letters Patent sealed.</i>
CLARKE. 29th March 1862.	874. WILLIAM CLARKE, of Gateshead, in the County of Durham, Engineer, for an invention for—"Improvements in apparatus for casting." <i>Provisional protection NOT granted.</i>
MORRIS. 29th March 1862.	875. ISRAEL MORRIS, of Essington, near Wolverhampton, in the County of Stafford, for an invention for—"A new or improved machine for breaking up or cultivating land." <i>Letters Patent sealed.</i>
TOWNSEND. YOUNG. HANKINS. 29th March 1862.	876. CHARLES HENRY TOWNSEND, JAMES YOUNG, and JAMES HANKINS, all of the City of Bristol, for an invention for—"An improved method of removing and preventing incrustation in steam-boilers." <i>Letters Patent sealed; no specification filed.</i>
SMITH. 29th March 1862.	877. NARCISSUS SMITH, of No. 4, Great Quebec Street, Montague Square, in the County of Middlesex, for an invention for—"An improved fire-engine." <i>Provisional protection NOT granted.</i>
GLASS. 29th March 1862.	878. WILLIAM GLASS, of 37, Princes Street, Stamford St., Lambeth, in the County of Surrey, for an invention for—"Improvements in the treatment of sulphuret of antimony and in obtaining products therefrom." <i>Provisional protection only.</i>
COLE. 29th March 1862.	879. THOMAS COLE, of the City of Coventry, Licensed Victualler, for an invention for—"Improvements in the manufacture of figured ribbons and other textile fabrics." <i>Provisional protection only.</i>
PATERSON. 29th March 1862.	880. WILLIAM PATERSON, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of iodine." <i>Letters Patent sealed.</i>
SMITH. 29th March 1862.	881. RICHARD SMITH, of Shaw House, Melksham, in the County of Wilts, Gentleman, and of Pensile, in the Parish of Minchinhampton, in the County of Gloucester, for an invention for—"Improvements in roller blind apparatus." <i>Provisional protection only.</i>
BAKER. 29th March 1862.	882. JOHN BAKER, of Devonshire Grove, Old Kent Road, in the County of Surrey, Manufacturing Cook and Confectioner, for an invention for—"Improved alimentary preparations." <i>Provisional protection only.</i>
HART. 29th March 1862.	883. EMANUEL BERNARD HART, of New York, in the United States of America, but now residing in London, for an invention for—"Improved machinery for cutting cork, so as to render the same suitable for stuffing purposes."— <i>A communication to him from abroad by Isachar Zacharie, resident at New York, aforesaid.</i> <i>Letters Patent sealed.</i>
PLATT. RICHARDSON. 29th March 1862.	884. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM RICHARDSON, of the same place, Mechanical Engineer, for an invention for—"Improvements in carding-engines." <i>Letters Patent sealed.</i>

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| <p>NEWTON.
29th March 1862.</p> | <p>885. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of applying acoustic apparatus in churches and other buildings and apartments."—<i>A communication to him from abroad by David Durham Stelle, of New Brunswick, and Abram Van Arsdale, of Newark, both in the State of New Jersey, United States of America.</i>
<i>Provisional protection only.</i></p> |
| <p>CLINTON.
31st March 1862.</p> | <p>886. JOHN CLINTON, of 35, Percy Street, Tottenham Court Road, in the County of Middlesex, Professor of Music, for an invention for—"Improvements in flutes."
<i>Letters Patent sealed.</i></p> |
| <p>MENNONS.
31st March 1862.</p> | <p>887. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the Empire of France, for an invention for—"Improvements in the manufacture from vegetable products of glucose or fermentable sugar."—<i>A communication from Martial Victor Jouannet, a person resident at the Faurelles Commune of Jurignac (Dep. de la Charente), in France.</i>
<i>Provisional protection only.</i></p> |
| <p>JORDAN.
31st March 1862.</p> | <p>888. JOHN JORDAN, of Liverpool, in the County of Lancaster, Engineer and Surveyor of Iron Ships, for an invention for—"Improvements in the construction of armour-plated vessels or other like structures."
<i>Provisional protection only.</i></p> |
| <p>YOUNG.
31st March 1862.</p> | <p>889. ROBERT YOUNG, of Glasgow, in the County of Lanark, North Britain, Millwright and Engineer, for an invention for—"Improvements in apparatus for cleaning, separating, washing and drying grain."
<i>Letters Patent sealed.</i></p> |
| <p>FRANKENSTEIN.
31st March 1862.</p> | <p>890. NATHAN FRANKENSTEIN, of 12, Clarendon Villas, Mildmay Park, London, in the County of Middlesex, for an invention for—"Improvements in machinery for cutting pointed conical and cylindrical corks."—<i>A communication to him from abroad by Mr. H. Hubert, of Linden, Hanover, who is the true and first inventor thereof.</i>
<i>Provisional protection only.</i></p> |
| <p>TYLER.
31st March 1862.</p> | <p>891. WILLIAM TYLER, of Birmingham, in the County of Warwick, Corn Dealer, for an invention for—"A new or improved mixture or composition for feeding dogs and other animals and poultry."
<i>Letters Patent sealed.</i></p> |
| <p>HOOKE.
31st March 1862.</p> | <p>892. WILLIAM HENRY HOOKE, of Walworth, in the County of Surrey, for an invention for—"Improvements in folding envelopes and paper and in machinery or apparatus employed therein."
<i>Letters Patent sealed.</i></p> |
| <p>WOODBURY.
31st March 1862.</p> | <p>893. JOSEPH PAGE WOODBURY, of the City of Boston, in the County of Suffolk, in the Commonwealth of Massachusetts, one of the United States of America, for an invention for—"An improvement in arming war vessels."
<i>Complete specification; Letters Patent sealed.</i></p> |
| <p>LORD.
GILBART.
31st March 1862.</p> | <p>894. WILLIAM BARRY LORD, of Plymouth, in the County of Devon, Veterinary Surgeon, Royal Artillery, and FREDERIC HUGHES GILBART, of Brixton, in the County of Surrey, Gentleman, for an invention for—"An improved hame slip for suddenly releasing horses and other cattle from their harness, also applicable for releasing heavy bodies or weights."
<i>Letters Patent sealed.</i></p> |
| <p>LORD.
GILBART.
31st March 1862.</p> | <p>895. WILLIAM BARRY LORD, of Plymouth, in the County of Devon, Veterinary Surgeon, Royal Artillery, and FREDERIC HUGHES GILBART, of Brixton, in the County of Surrey, Gentleman, for an invention for—"Improvements in loading firearms."
<i>Provisional protection only.</i></p> |
| <p>BURLEY.
31st March 1862.</p> | <p>896. RICHARD BURLEY, of Lower Thames Street, in the City of London, Iron and Brass Founder, for an invention for—"An improved material for forming or lining the bearings of axles and shafts and other rubbing parts of machinery."
<i>Letters Patent sealed.</i></p> |
| <p>RANSOME.
31st March 1862.</p> | <p>897. ROBERT CHARLES RANSOME, of Ipswich, in the County of Suffolk, for an invention for—"Improvements in thrashing and other machinery where corn or grain is required to be raised from one level to another."
<i>Letters Patent sealed.</i></p> |
| <p>NIGHTINGALE.
31st March 1862.</p> | <p>898. ROBERT NIGHTINGALE, of Maldon, in the County of Essex, Artist, for an invention for—"Improvements in markers' butts or mantelets."
<i>Provisional protection only.</i></p> |

SCHMOLLE. 31st March 1862.	899. LÉONCE BERNARD SCHMOLLE, of Upper John Street, Golden Square, in the County of Middlesex, Importer of French Goods, for an invention for—"Improvements in the construction of crinolines or steel skirts." <i>Letters Patent sealed.</i>
HARDING. 31st March 1862.	900. JOHN HARDING, of Beeston Manor Iron and Coal Works, Leeds, in the County of York, Engineer and Iron Master, for an invention for—"Improvements in the application of the waste heat arising from coke ovens for heating air for blast furnaces, also for calcining iron stone and other minerals, and for heating and smelting iron." <i>Provisional protection only.</i>
CLEMENTS. 31st March 1862.	901. JAMES MOORE CLEMENTS, of Birmingham, in the County of Warwick, Tailor and Draper, for an invention for—"Certain improvements in sewing-machines for performing the various kinds of work necessary in stitching button and eyelet hole, working embroidering, and sewing generally." <i>Letters Patent sealed.</i>
JOHNSON. 31st March 1862.	902. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in rotatory engines."— <i>A communication to him from abroad by Wilhelm Heinrich Christian Voss, of Berlin, in the Kingdom of Prussia, Engineer.</i> <i>Provisional protection only.</i>
POOLEY. 31st March 1862.	903. HENRY POOLEY, junior, of the firm of Henry Pooley and Son, of Liverpool, Engineer, for an invention for—"Improvements in the construction of weighing-machines and weigh bridges." <i>Letters Patent sealed.</i>
CRANSTON. 31st March 1862.	904. WILLIAM MCINTYRE CRANSTON, of 58, King William Street, in the City of London, for an invention for—"Improvements in machinery for cutting corn and other crops."— <i>A communication to him from abroad by James Smith Thayer, a person resident at New York City, United States of America.</i> <i>Letters Patent sealed.</i>
STONE. 1st April 1862.	905. JOHN TAYLOR GURNEY STONE, of 74, Saint John's Road, Hoxton, in the County of Middlesex, Manufacturer, for an invention for—"An improved bustle and petticoat." <i>Provisional protection only.</i>
COUCHOUD. 1st April 1862.	906. PIERRE RAYMOND COUCHOUD, of No. 71, Rue de Rambuteau, in the City of Paris, in the Empire of France, Lace Manufacturer, for an invention for—"A new or improved loom for manufacturing chenille and other lace-work." <i>Letters Patent sealed.</i>
GONTARD. 1st April 1862.	907. CÉLESTIN PHILIPPE GONTARD, of Besançon, in the Empire of France, Watch Maker, for an invention for—"An improved stopping piece for watches and other time-keepers intended to limit the winding up of the moving spring." <i>Letters Patent sealed.</i>
CLARK. 1st April 1862.	908. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of manure."— <i>A communication to him from abroad by Mr. Leopold Eugène Lavigne, of 29, Boulevard St. Martin, Paris, in the Empire of France, Civil Engineer.</i> <i>Letters Patent sealed.</i>
CLARK. 1st April 1862.	909. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in kneading-machines."— <i>A communication to him from abroad by Mr. Ovide Isidore Boland, of 29, Boulevard St. Martin, Paris, in the Empire of France, Proprietor.</i> <i>Provisional protection only.</i>
HENRY. 1st April 1862.	910. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved furnace for treating iron ore."— <i>A communication to him from abroad by Joseph Alexandre Marcel Bonne, of Cluis, in the French Empire.</i> <i>Complete specification; Letters Patent sealed.</i>
TURNER. 1st April 1862.	911. WILLIAM TURNER, of The Steam Bakery, No. 39, Hockley, in the Town and County of the Town of Nottingham, Baker and Flour Dealer, for an invention for—"Improvements in machinery or apparatus employed in the manufacture of dough and especially of fermented dough." <i>Letters Patent sealed.</i>
KNUDSON. 1st April 1862.	912. FREDERICK KNUDSEN, in the employ of M. F. Dent, of 33 and 34, Cockspur Street, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in chronometers." <i>Provisional protection only.</i>

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| <p>SMITH.
1st April 1862.</p> <p>JOHNSON.
1st April 1862.</p> <p>CASLON.
FAGG.
1st April 1862.</p> <p>WHITEHEAD.
BRAY.
1st April 1862.</p> <p>HARTLEY.
LITTLE.
HINCHCLIFFE.
1st April 1862.</p> <p>PLATT.
RICHARDSON.
1st April 1862.</p> <p>MADGE.
1st April 1862.</p> <p>PLATT.
RICHARDSON.
1st April 1862.</p> <p>LORENZ.
VETTE.
1st April 1862.</p> <p>HARRISON.
STANDLY.
2nd April 1862.</p> <p>HOLCROFT.
2nd April 1862.</p> <p>SCRATTON.
2nd April 1862.</p> <p>WARREN.
2nd April 1862.</p> <p>BROOMAN.
2nd April 1862.</p> <p>MALAM.
2nd April 1862.</p> | <p>913. HENRY SMITH, of the Teesdale Iron Works, Stockton-on-Tees, in the County of Durham, for an invention for—"Improvements in apparatus used when casting iron or other metal."
<i>Letters Patent sealed.</i></p> <p>914. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in machinery or apparatus for spinning cotton and other fibrous substances."—<i>A communication to him from abroad by James Eaton, of Boston, in the State of Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>915. HENRY WILLIAM CASLON, and GEORGE FAGG, both of Chiswell Street, in the County of Middlesex, Type Founders, for an invention for—"Improvements in casting printing types and apparatus for rubbing the same."
<i>Letters Patent sealed.</i></p> <p>916. HENRY WALTON WHITEHEAD, of the firm of Taylor, Wordsworth and Company, of Leeds, in the County of York, Machine and Tool Makers, and GEORGE BRAY, of Leeds, aforesaid, Carding Engineer, for an invention for—"Improvements in machinery for carding wool and other fibrous substances."
<i>Provisional protection only.</i></p> <p>917. EDMUND HARTLEY, of Oldham, in the County of Lancaster, Machinist, GEORGE LITTLE, of the same place, Machinist, and JOHN HINCHCLIFFE, of same place, Smith, for an invention for—"Improvements in rolling or straightening metal spindles, shafts or rods of a cylindrical or tapered form."
<i>Letters Patent sealed.</i></p> <p>918. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM RICHARDSON, of the same place, Mechanical Engineer, for an invention for—"Improvements in mules for spinning and doubling."
<i>Provisional protection only.</i></p> <p>919. HENRY JOSEPH MADGE, of Swansea, in the County of Glamorgan, Tin-plate Manufacturer, for an invention for—"Improvements in coating iron sheets or plates to be used as a substitute for tin or terne plates."
<i>Letters Patent sealed.</i></p> <p>920. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM RICHARDSON, of the same place, Mechanical Engineer, for an invention for—"Improvements in machinery or apparatus used for applying motive-power derived from bullocks, horses or other animals."
<i>Letters Patent sealed.</i></p> <p>921. HERMANN LORENZ and THEODOR VETTE, both of Berlin, in the Kingdom of Prussia, for an invention for—"Improvements in filters."
<i>Provisional protection only.</i></p> <p>922. WILLIAM CURRIE HARRISON, of 15, Sutherland Place, Pimlico, in the County of Middlesex, Civil Engineer, and HENRY JOHN STANDLY, of 20, Cockspur Street, Westminster, in the County of Middlesex, Esquire, for an invention for—"An improved instrument or tool for boring or drilling holes in slate or other rock."
<i>Letters Patent sealed.</i></p> <p>923. GEORGE HOLCROFT, of the City of Manchester, Consulting Engineer, for an invention for—"Improvements in the construction of blast furnaces."
<i>Letters Patent sealed; no specification filed.</i></p> <p>924. The Reverend GEORGE SCRATTON, of Stickney, in the County of Lincoln, Clerk, for an invention for—"Improvements in shades or blinds for windows."
<i>Letters Patent sealed.</i></p> <p>925. SAMUEL WARREN, of Ledbury, in the County of Hereford, Engineer and Agricultural Implement Maker, for an invention for—"Improvements in machinery for transmitting motion obtained by animal power to agricultural and other machines."
<i>Letters Patent sealed.</i></p> <p>926. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in memorandum, pocket and other books, and in pencil and pen holders to be used therewith."—<i>A communication to him from abroad by Eugene Recordon, of Vaison, Vaucluse, France.</i>
<i>Provisional protection only.</i></p> <p>927. WILLIAM MALAM, of Skinner Street, in the City of London, Gas Engineer, for an invention for—"An improvement in the manufacture of gas and improved apparatus to be employed in such manufacture."
<i>Provisional protection only.</i></p> |
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NEWTON.
2nd April 1862.

928. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in bits for taming or subduing vicious horses and breaking colts."—*A communication to him from abroad by Aurelius Langdon Weymouth, of Boston, Massachusetts, United States of America.*
Letters Patent sealed.

COLLIER.
COLLIER.
2nd April 1862.

929. GEORGE COLLIER, and JOHN COLLIER, both of Halifax, in the County of York, Machinists, for an invention for—"Improvements in looms for weaving carpets and other pile fabrics."
Letters Patent sealed.

BLACKBURN.
2nd April 1862.

930. BEWICKE BLACKBURN, of York Buildings, Adelphi, in the County of Middlesex, for an invention for—"Improvements in apparatus for lubricating locomotive and other axles."
Letters Patent sealed.

HUNTER.
2nd April 1862.

931. SAMUEL HUNTER, of 22, Grey Street, Newcastle-upon-Tyne, for an invention for—"Improvements in anchors."
Letters Patent sealed.

MOORE.
2nd April 1862.

932. THOMAS MOORE, of No. 33, Regent Circus, Piccadilly, in the County of Middlesex, for an invention for—"Improvements in winding apparatus especially applicable to fishing lines, nets and log-lines, and in leaders or travellers to be used therewith, which leaders or travellers are also applicable to working ships' sails and other useful purposes."
Letters Patent sealed.

LOFT.
2nd April 1862.

933. JOHN THOMAS LOFT, of Brooklyn, New York, United States of America, but now residing at Berwick Street, Pimlico, in the County of Middlesex, Architect, for an invention for—"Improved machinery for printing in colours."
Letters Patent sealed.

CLARK.
2nd April 1862.

934. WILLIAM CLARK, of 53, Chancery Lane in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved apparatus for manifold writing."—*A communication to him from abroad by Mr. Joseph Charles Thomas Devaux, of 29, Boulevard St. Martin, Paris, in the Empire of France, Civil Engineer.*
Letters Patent sealed.

LEOPARD.
2nd April 1862.

935. WILLIAM LEOPARD, of Hurstpierpoint, in the County of Sussex, Corn Merchant, for an invention for—"Improvements in railway brake apparatus."
Letters Patent sealed.

CLARK.
2nd April 1862.

936. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of carbonic acid."—*A communication to him from abroad by Messrs. Louis Joseph Frédéric Margueritte and Alfred Lalouët de Sourdeval, both of 29, Boulevard St. Martin, Paris, Chemists.*
Provisional protection only.

REBOUR.
3rd April 1862.

937. GUSTAVE REBOUR, of No. 15, Passage des Petites Ecuries, in the City of Paris, in the Empire of France, Advocate, for an invention for—"A permanent autographic log serving to measure and if needed to retrace graphically the swiftness and sailing of a ship, the rapidity of streams, and the propelling of rising and ebbing tides."
Letters Patent sealed.

HELME.
3rd April 1862.

938. WILLIAM HELME, of Caldbeck, in the County of Cumberland, for an invention for—"Improvements in firelighters."
Letters Patent sealed.

MORTON.
3rd April 1862.

939. ROBERT MORTON, Engineer and Brass Founder, Stockton-on-Tees, for an invention for—"Improvements in refrigerators or apparatus for cooling liquids, parts of which improvements are also applicable to distillation, surface condensation, heating air for blast furnaces and other similar purposes."
Letters Patent sealed.

BOWER.
QUALTER.
3rd April 1862.

940. GEORGE BOWER, of Ashton-under-Lyne, in the county of Lancaster, Iron-moulder, and JOHN QUALTER, of Dukinfield, in the County of Chester, Blacksmith, for an invention for—"Certain improvements in metallic pistons."
Letters Patent sealed.

NEWTON.
3rd April 1862.

941. JOHN NEWTON, of No. 5, Montpellier Road, Rye Lane, Peckham, in the County of Surrey, Contractor, for an invention for—"Improvements in the construction of breakwaters, piers and sea walls."
Letters Patent sealed.

HUNTER.
3rd April 1862.

942. GEORGE HUNTER, of Coleford, in the County of Gloucester, Engineer, for an invention for—"Improvements in machinery and tools for cutting, sawing and planing stone, marble and slate."
Letters Patent sealed.

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| <p>TOOGOOD.
LAYBOURNE.
3rd April 1862.</p> <p>KEMP.
COWLEY.
3rd April 1862.</p> <p>AMOS.
3rd April 1862.</p> <p>WILSON.
COWPER.
3rd April 1862.</p> <p>LEE.
3rd April 1862.</p> <p>MANN.
3rd April 1862.</p> <p>RICHARDS.
3rd April 1862.</p> <p>HASSALL.
BURKE.
3rd April 1862.</p> <p>WOODALL.
4th April 1862.</p> <p>KAY.
HARTLEY.
4th April 1862.</p> <p>SPENCER.
4th April 1862.</p> <p>RYDER.
4th April 1862.</p> <p>BAKEWELL.
4th April 1862.</p> <p>SILVER.
4th April 1862.</p> <p>LINDLEY.
TAYLOR.
4th April 1862.</p> <p>FLETCHER.
4th April 1862.</p> | <p>943. ROBERT MOORE TOOGOOD and JOHN LAYBOURNE, both of Newport, in the County of Monmouth, Engineers, trading as "The Isca Foundry Company," for an invention for—"An improvement in railway crossings." <i>Letters Patent sealed.</i></p> <p>944. WILLIAM KEMP, of 20, Spital Square, and THOMAS COWLEY, of Hart's Lane, Bethnal Green Road, both in the County of Middlesex, for an invention for—"Improvements in the manufacture of silk pile velvet." <i>Letters Patent sealed.</i></p> <p>945. MARK AMOS, of Westbury-on-Trym, in the County of Gloucester, for an invention for—"Improvements in harrows." <i>Provisional protection only.</i></p> <p>946. DAVID WILSON, of Wandsworth Common, in the County of Surrey, and EDWARD ALFRED COWPER, of No. 35A, Great George Street, Westminster, for an invention for—"Improvements in presses for pressing cotton, fibrous materials and hay." <i>Letters Patent sealed.</i></p> <p>947. JOSEPH LEE, of the Traction Engine Works, Lincoln, for an invention for—"Improvements in traction engines and boilers for traction, locomotive and other purposes." <i>Provisional protection only.</i></p> <p>948. ALEXANDER MANN, of Tottenham, in the County of Middlesex, for an invention for—"Improvements in photographic apparatus." <i>Letters Patent sealed.</i></p> <p>949. WILLIAM ANTIL RICHARDS, of Chester Cottage, Cornwall Place, Holloway, in the County of Middlesex, Commercial Clerk, for an invention for—"Improvements in the manufacture of bags and in fastenings and locks for bags, parts of the invention being also applicable to purses, cigar cases, reticules and other similar articles." <i>Letters Patent sealed.</i></p> <p>950. HENRY THOMAS HASSALL, of the firm of Hassall and Company, of Birmingham, in the County of Warwick, Manufacturers, and MICHAEL BURKE, of Liverpool, in the County of Lancaster, Cabinet Maker, for an invention for—"Improvements in reclining or invalids' chairs and in swinging or ships' chairs." <i>Letters Patent sealed.</i></p> <p>951. JOHN FRANCIS WOODALL, of 28, Orchard Street, Portman Square, in the County of Middlesex, for an invention for—"Improvements in ventilating carriages for common roads." <i>Letters Patent sealed.</i></p> <p>952. JAMES CLARKSON KAY, of Bury, in the County of Lancaster, and WILLIAM HARTLEY, of the same place, Engineers, for an invention for—"Certain improvements in steam-engines." <i>Letters Patent sealed.</i></p> <p>953. FRANCIS SPENCER, of Pendleton, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in looms for weaving." <i>Provisional protection only.</i></p> <p>954. WILLIAM RYDER, of Bolton-le-Moors, in the County of Lancaster, Roller and Spindle Maker, for an invention for—"Improvements in the construction of machines for forging metals." <i>Provisional protection only.</i></p> <p>955. FREDERICK COLLIER BAKEWELL, of No. 6, Haverstock Terrace, Hampstead, in the County of Middlesex, for an invention for—"Improvements in letter printing-machines."—<i>A communication to him from abroad by William Bullock, of Pittsburgh, in the State of Pennsylvania, North America.</i> <i>Letters Patent sealed.</i></p> <p>956. THOMAS SILVER, of Philadelphia, in the United States of North America, now residing at Number 20, Berry Street, St. James', in the County of Middlesex, for an invention for—"Improvements in governors for regulating the speed of steam and other engines." <i>Letters Patent sealed.</i></p> <p>957. LEONARD LINDLEY and FREDERICK TAYLOR, Sewing-Machine Manufacturers, of Melbourne Street, Mansfield Road, and Comyn Street, Nottingham, in the County of the Town of Nottingham, for an invention for—"Improvements in sewing and embroidering machines." <i>Letters Patent sealed.</i></p> <p>958. HENRY FLETCHER, of No. 5, Cornwall Crescent, Camden Road, in the County of Middlesex, for an invention for—"Improvements in valves for hydraulic presses and in apparatus connected therewith, for making or pressing blocks or bricks of coal or other material." <i>Provisional protection only.</i></p> |
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MOULTON. 4th April 1862.	959. GEORGE MOULTON, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in pentagraph machines used for tracing or engraving rollers or cylinders employed in printing calicoes and other surfaces." <i>Letters Patent sealed</i>
WOODHOUSE. HUNTER. 4th April 1862.	960. ANDREW WOODHOUSE, of Hindpool, Barrow-in-Furness, in the County of Lancaster, Brick Manufacturer, and THOMAS HUNTER, the younger, of Hindpool, aforesaid, Brick Manufacturer, for an invention for—"Improvements in the arrangements of kilns and flues for burning bricks, tiles, quarries and other like articles, and in utilizing the waste heat of the said kilns, and in stoves for drying bricks, tiles, quarries and other like articles." <i>Provisional protection only.</i>
HALE. 4th April 1862.	961. ALFRED JOSEPH HALE, of William Street, Margaret Street, Clerkenwell, in the County of Middlesex, Die Sinker, for an invention for—"Improvements in instruments for drawing ovals." <i>Provisional protection only.</i>
BUTCHER. 4th April 1862.	962. MATTHEW BUTCHER, of Great Yarmouth, in the County of Norfolk, for an invention for—"Improvements in apparatus for reefing and furling sails from the deck." <i>Provisional protection NOT granted.</i>
FIELDING. FIELDING. FIELDING. FIELDING. 4th April 1862.	963. SAMUEL FIELDING, SAMUEL FIELDING, the younger, ROBERT FIELDING, and THOMAS FIELDING, all of Smallbridge, near Rochdale, in the County of Lancaster, for an invention for—"Improvements in valves and in apparatus for lubricating the same and other parts of steam-engines." <i>Letters Patent sealed.</i>
BROOMAN. 4th April 1862.	964. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved case for holding balls and reels of cotton, silk and other threads."— <i>A communication to him from abroad by Théophile Denis Gustave Baudouin, residing at Rue Saint Denis, Paris, France.</i> <i>Letters Patent sealed.</i>
SCEALES. 4th April 1862.	965. JAFFRAY SCEALES, of Lloyds, in the City of London, Surveyor, for an invention for—"Improvements in steering ships." <i>Provisional protection only.</i>
NEWTON. 4th April 1862.	966. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of iron and steel."— <i>A communication to him from abroad by Aristide Balthazar Berard, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
NEWTON. 4th April 1862.	967. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in pumps for ships' use and other purposes."— <i>A communication to him from abroad by Thomas Hansbrow, of the City and County of Sacramento, California, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 4th April 1862.	968. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improvement in projectiles for ordnance."— <i>A communication to him from abroad by Henry Tatem Potter, of Sprague, County of New London, Connecticut, United States of America.</i> <i>Provisional protection only.</i>
NOCK. PRICE. 4th April 1862.	969. JOHN NOCK, and WILLIAM KIRBY PRICE, of Birmingham, in the County of Warwick, Gas Stove Manufacturers, for an invention for—"An improvement or improvements in gas cooking ranges." <i>Provisional protection only.</i>
HUMPHREYS. 4th April 1862.	970. JOHN DODDRIDGE HUMPHREYS, of 11, Aldhous Terrace, Barnsbury, in the County of Middlesex, Engineer, for an invention for—"Improvements in furnaces and machinery employed in the manufacture of compressed fuel and other matters." <i>Provisional protection only.</i>
WALKER. 4th April 1862.	971. MOWBRAY WALKER, of St. Benet's Place, Gracechurch Street, in the City of London, Accountant, for an invention for—"Improvements in breech loading rifles and other fire-arms and in ordnance." <i>Provisional protection only.</i>
BEGG. 5th April 1862.	972. WILLIAM BEGG, of Marsh Lane Foundry, Preston, in the County of Lancaster, Iron Founder, for an invention for—"Improvements in consuming smoke and in furnace bars and bridges for effecting the same." <i>Letters Patent sealed.</i>

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| <p>SIMLICK.
5th April 1862.</p> <p>COLLING.
5th April 1862.</p> <p>CLARK.
5th April 1862.</p> <p>FACONNET.
5th April 1862.</p> <p>KOBITZSCH.
5th April 1862.</p> <p>CRITCHLOW.
5th April 1862.</p> <p>THOMPSON.
5th April 1862.</p> <p>DUNCAN.
7th April 1862.</p> <p>SMITH.
7th April 1862.</p> <p>SIMONS.
7th April 1862.</p> <p>HARRIS.
7th April 1862.</p> <p>WELCH.
7th April 1862.</p> <p>HASELTINE.
7th April 1862.</p> <p>NICHOLSON.
7th April 1862.</p> <p>JACKSON.
7th April 1862.</p> <p>WATREMEZ.
KLOTH.
7th April 1862.</p> | <p>973. HENRY JOSEPH SIMLICK, of Bakers' Arms Gardens, Wellington Row, Bethnal Green, in the County of Middlesex, Vesuvian Manufacturer, for an invention for "Improvements in the manufacture of vesuvians or cigar lights."
<i>Provisional protection only.</i></p> <p>974. JOHN COLLING, of Seaham, in the County of Durham, Ship Owner, for an invention for "Improvements in apparatus for reefing ships' sails."
<i>Letters Patent sealed.</i></p> <p>975. ALEXANDER CLARK, of Gate Street, Lincoln's Inn Fields, in the County of Middlesex, Engineer and Revolving Shutter Manufacturer, for an invention for "Improvements in the manufacture of revolving window shutters and blinds, in window sash bars and plates, also in apparatus used in such manufactures."
<i>Letters Patent sealed.</i></p> <p>976. LEOPOLD FACONNET, of 52, Rue du Transit Vaugirard, in the City of Paris, in the Empire of France, Tile Manufacturer, for an invention for "A new kind of tiles."
<i>Letters Patent sealed.</i></p> <p>977. RICHARD ALEXANDER KOBITZSCH, of Bucharest, in Wallachia, for an invention for—"Improvements in diving apparatus and apparatus to be used for working in deep water."
<i>Letters Patent sealed; no specification filed.</i></p> <p>978. THOMAS CRITCHLOW, of Bolton-le-Moors, in the County of Lancaster, Engineer, for an invention for—"Improvements in planing-machines."
<i>Provisional protection only.</i></p> <p>979. BENJAMIN THOMPSON, of Walker, near Newcastle-upon-Tyne, for an invention for—"Improvements in steam-engines."
<i>Letters Patent sealed.</i></p> <p>980. CHARLES STEWART DUNCAN, of Monmouth Road, North Bayswater, in the County of Middlesex, for an invention for—"An improved method of and apparatus for ventilating, cooling or suppressing fire in public and private buildings or rooms."
<i>Letters Patent sealed.</i></p> <p>981. TITUS SMITH, of Salford, in the County of Lancaster, Machinist and Bolt Maker, for an invention for—"Improvements in machinery for cutting and shaping screw bolts and other articles."
<i>Provisional protection only.</i></p> <p>982. WILLIAM SIMONS, of Renfrew, in the County of Renfrew, North Britain, Ship Builder, for an invention for—"Improvements in constructing ships or vessels."
<i>Letters Patent sealed.</i></p> <p>983. ALFRED HARRIS, of Birmingham, in the County of Warwick, Gun Barrel Manufacturer, for an invention for—"An improvement or improvements in the manufacture of gun barrels."
<i>Letters Patent sealed.</i></p> <p>984. EDWARD WELCH, of Stratford-on-Avon, in the County of Warwick, Gentleman, for an invention for—"Improvements in register stoves and fire grates, and in ovens and kitchen ranges."
<i>Letters Patent sealed.</i></p> <p>985. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, American Barrister, for an invention for—"Improvements in lamps especially designed for burning hydro-carbon oils."—<i>A communication to him from abroad by Anson Platt, M.D., and General William Rosecrans, both of Cincinnati, Ohio, in the United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>986. WILLIAM NEUZAM NICHOLSON, of Newark, in the County of Nottingham, Agricultural Implement Maker, for an invention for—"Improvements in ranges and stoves."
<i>Provisional protection only.</i></p> <p>987. THOMAS JACKSON, of Orchard Street, Portman Square, in the County of Middlesex, Pianoforte Manufacturer, for an invention for—"Improvements in pianofortes."
<i>Letters Patent sealed.</i></p> <p>988. JOSEPH WATREMEZ, Merchant, at Aix-la-Chapelle, and ALOYS KLOTH, Merchant, at Aix-la-Chapelle, for an invention for—"Improved apparatus for indicating a deficiency of water in steam generators."
<i>Letters Patent sealed.</i></p> |
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CARRINGTON. 7th April 1862.	989. JAMES CARRINGTON, of Queen's Gate Mews, Kensington, in the County of Middlesex, Groom, for an invention for—"Improvements in the form of bricks and in the arrangement thereof for paving stables and stable yards." <i>Provisional protection only.</i>
STEVEN. 8th April 1862.	990. WILLIAM STEVEN, of Glasgow, in the County of Lanark, North Britain, Brickmaker and Builder, for an invention for—"Improvements in apparatus for moulding or shaping clay for bricks or other like articles." <i>Provisional protection only.</i>
BROWN. 8th April 1862.	991. JAMES BROWN, of Aldgate, in the City of London, Chemist, for an invention for—"Improvements in protecting the bottoms and sides of ships and other entirely or partially submerged surfaces." <i>Letters Patent sealed.</i>
BEARDMORE. 8th April 1862.	992. WILLIAM BEARDMORE, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in steam rams for naval purposes." <i>Provisional protection only.</i>
LEVINSTEIN. 8th April 1862.	993. HUGO LEVINSTEIN, of No. 2, Pinners Court, Old Broad Street, in the City of London, for an invention for—"Improvements in lustering silk and in machinery or apparatus employed therein." <i>Provisional protection only.</i>
WHITEHOUSE. 8th April 1862.	994. JOHN WHITEHOUSE, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of metallic door and other knobs, and the ornaments of the pillars of metallic bedsteads and other articles of like manufacture, and in attaching metallic mounts to china or earthenware knobs, and ornaments and roses for knobs." <i>Letters Patent sealed.</i>
FITZ MAURICE. 8th April 1862.	995. The Honorable WILLIAM EDWARD FITZ MAURICE, of 12, Hyde Park Gate, in the County of Middlesex, for an invention for—"An improved construction of plating for ships' batteries and other structures used for war or other purposes." <i>Provisional protection only.</i>
CARTER. 8th April 1862.	996. CHARLES PEMBERTON CARTER, of Kennington Hall, near Ashford, in the County of Kent, for an invention for—"An instrument for inserting photographic or other pictures into or removing them from between the 'mounts' of photographic albums or other flat spaces into which the fingers cannot be inserted." <i>Provisional protection only.</i>
BREAREY. 8th April 1862.	997. FREDERICK WILLIAM BREAREY, of No. 53, Cornhill, in the City of London, for an invention for—"Improvements in medicated cups or vessels for drinking purposes." <i>Letters Patent sealed.</i>
MONCKTON. 8th April 1862.	998. EDWARD HENRY CRADOCK MONCKTON, of 5, Thurloe Place, South Kensington, in the County of Middlesex, Esquire, for an invention for—"Improvements in timekeepers." <i>Letters Patent sealed.</i>
JAGUES. 8th April 1862.	999. JOHN JAGUES, junior, of the Firm of John Jaques and Son, of 102, Hatton Garden, in the County of Middlesex, for an invention for—"Improvements in the instruments used in the game of croquet."— <i>Partly the result of communication made to him from abroad by William Fowler Mountford Copeland, residing at Madeira, and partly of invention and discovery made by himself.</i> <i>Letters Patent sealed.</i>
SHARPE. 8th April 1862.	1000. BENJAMIN SHARPE, of Hanwell Park, in the County of Middlesex, for an invention for—"Improvements in harrows and rakes." <i>Letters Patent sealed.</i>
HOLDEN. WEEKES. 8th April 1862.	1001. HOWARD ASHTON HOLDEN, of Birmingham, in the County of Warwick, Merchant, and CHARLES WEEKES, of the County of the Borough of Carmarthen, Civil Engineer, for an invention for—"Improvements in apparatus used in drawing water or other fluids from cisterns, tanks or other vessels." <i>Provisional protection only.</i>
SAMPSON. 8th April 1862.	1002. EDWARD BARNARD SAMPSON, of Ham Mills, Stroud, in the County of Gloucester, for an invention for—"Improvements in apparatus for supplying oil or other liquid to wool as the same is fed into carding-engines." <i>Provisional protection only.</i>
LAWSON. 8th April 1862.	1003. JOHN LAWSON, one of the partners in the Firm of Samuel Lawson and Sons, of the Hope Foundry, Leeds, in the County of York, for an invention for—"Improvements in balling cotton and thread."— <i>A communication to him from abroad by Adolphe Alphonse Poulhier, a person resident at Lille, in the Empire of France.</i> <i>Letters Patent sealed.</i>

WRIGHT. 8th April 1862.	1004. JAMES WRIGHT, of 42, Bridge Street, Blackfriars, City of London, Civil Engineer, for an invention for—"Improvements in joining together armour and other thick metal plates, beams and girders." <i>Letters Patent sealed.</i>
COBLEY. WRIGHT. 8th April 1862.	1005. THOMAS COBLEY, Metallurgist, and JAMES WRIGHT, Civil Engineer, both of 42, Bridge Street, Blackfriars, in the City of London, for an invention for—"Improvements in the method of and the apparatus for treating auriferous and argenteriferous minerals and ores for the purpose of extracting and separating the gold and silver from the other metals, minerals and substances combined therewith, also in the method of treating the various residues resulting therefrom, and in the utilization, application and use of the said residues when so treated." <i>Letters Patent sealed.</i>
RODGETT. 9th April 1862.	1006. SAMUEL RODGETT, of Blackburn, in the County of Lancaster, Foreman, for an invention for—"Certain improvements in power looms for weaving." <i>Provisional protection only.</i>
ANDREW. 9th April 1862.	1007. JAMES EDWARD HYDE ANDREW, of Audenshaw, in the County of Lancaster, Machinist, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
FARRON. 9th April 1862.	1008. SQUIRE FARRON, of Ashton-under-Lyne, in the County of Lancaster, Watch Maker, for an invention for—"Improvements in machinery or apparatus for regulating the supply of steam from the boiler to the cylinder or pipes of steam-engines, which improvements are also applicable to gases or fluids." <i>Letters Patent sealed.</i>
HOLLINSHED. 9th April 1862.	1009. GEORGE HOLLINSHED, of Salford, near Manchester, in the County of Lancaster, Designer, for an invention for—"Improvements in sandwich cases and similar articles." <i>Letters Patent sealed.</i>
BULLOUGH. BULLOUGH. 9th April 1862.	1010. JAMES BULLOUGH, Manufacturer, and JOHN BULLOUGH, Machinist, both of Baxenden, near Accrington, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
TAYLOR. 9th April 1862.	1011. WILLIAM TAYLOR, of Oldham, in the County of Lancaster, Cotton Spinner, for an invention for—"Certain improvements in machinery or apparatus for preparing and spinning cotton or other fibrous materials." <i>Letters Patent sealed.</i>
DAVIES. 9th April 1862.	1012. WILLIAM DAVIES, of Llanelly, Carmarthenshire, South Wales, for an invention for—"Improvements in puddling, balling and reheating furnaces." <i>Letters Patent sealed.</i>
JONES. 9th April 1862.	1013. JOSIAH JONES, junior, of Ship Yard, Sefton Street, Liverpool, in the County of Lancaster, for an invention for—"Improvements in constructing and arming ships and vessels." <i>Letters Patent sealed.</i>
LANGSTON. 9th April 1862.	1014. JOHN LANGSTON, of North Street, Strood, in the County of Kent, for an invention for—"Improvements in the manufacture of portland cement." <i>Letters Patent sealed.</i>
MATHER. 9th April 1862.	1015. COLIN MATHER, of Willow Bank, Broughton, near Manchester, in the County of Lancaster, Gentleman, for an invention for—"Improvements in spittoons." <i>Letters Patent sealed ; no specification filed.</i>
KNOWELDEN. 9th April 1862.	1016. JOHN KNOWELDEN, of Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in steam, water and other fluid engines." <i>Letters Patent sealed.</i>
NEWTON. 9th April 1862.	1017. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved apparatus for raising and forcing water and other liquids."— <i>A communication to him from abroad by Abel Brear, of Sangatuck, County of Fairfield, State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
MAYS. 9th April 1862.	1018. WILLIAM MAYS, of Joseph Street, Back Road, Shadwell, in the County of Middlesex, Miller, for an invention for—"Improvements in machinery for grinding corn, grain and other substances." <i>Provisional protection only.</i>
THEYSON. 9th April 1862.	1019. ROBERT THEYSON, of Hanover, for an invention for—"Improvements in cork cutting machinery." <i>Letters Patent sealed.</i>

FUNNELL. 10th April 1862.	1020. EDWARD FUNNELL, of 54, East Street, Brighton, in the County of Sussex, Watch and Clock Manufacturer, for an invention for—"An improved self-acting indicator signal for railways." <i>Letters Patent sealed.</i>
FRYER. WILLIAMS. 10th April 1862.	1021. DANIEL FRYER, of Carlton Square, Old Kent Road, County of Surrey, and WILLIAM JAMES WILLIAMS, of Arundel Street, Strand, London, County of Middlesex, Gentleman, for an invention for—"Improvements in the method of and apparatus for letting on and cutting off the supply of gas to groups or districts of street and other lamps, from a central point or depôt." <i>Provisional protection only.</i>
ARMITAGE. 10th April 1862.	1022. WILLIAM ARMITAGE, of the City of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
NUNN. 10th April 1862.	1023. WILLIAM NUNN, of 179, Saint George Street, at the Parish of Saint George's in the East, London, and in the County of Middlesex, for an invention for—"Improvements in the construction of lanterns for ships and signals." <i>Letters Patent sealed.</i>
HOUGHTON. 10th April 1862.	1024. JOHN HOUGHTON, of No. 70, Foster Lane, Cheapside, in the City of London, for an invention for—"An improved haversack." <i>Letters Patent sealed.</i>
BLACK. 10th April 1862.	1025. ALEXANDER BLACK, of Banbridge, in the County of Down, Ireland, Law-Clerk, for an invention for—"Improvements in swing bridges adapted for crossing lines of railways and other ways." <i>Provisional protection only.</i>
LILLYWHITE. NIXON. 10th April 1862.	1026. JOHN LILLYWHITE, of Seymour Street, Euston Square, in the County of Middlesex, Cricketing Outfitter, and THOMAS NIXON, of Chelford, in the County of Chester, Cricketer, for an invention for—"An improved bowling apparatus for cricket balls." <i>Provisional protection only.</i>
COLES. 10th April 1862.	1027. COWFER PHIPPS COLES, of Southsea, in the County of Hants, Captain, Royal Navy, for an invention for—"Improvements in masts for ships." <i>Letters Patent sealed.</i>
MERTENS. 10th April 1862.	1028. GEORGE DIRS MERTENS, of 5, Royal Crescent, Margate, in the County of Kent, Gentleman, for an invention for—"Improvements in the preparation of materials to be employed in the making of beer and in the machinery or apparatus employed therein."— <i>A communication to him from abroad by Charles Theodore Aulhorn, of Dippoldswalde, in the Kingdom of Saxony.</i> <i>Letters Patent sealed.</i>
CHRISTOPH. HAWKSWORTH. HARDING. 10th April 1862.	1029. LOUIS CHRISTOPH, of Paris, in the Empire of France, WILLIAM HAWKSWORTH, of Linlithgow, North Britain, Steel Manufacturer, and GUSTAVUS PALMER HARDING, of Paris, Merchant, for an invention for—"Improvements in drawing metals and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
DEACON. 10th April 1862.	1030. HENRY DEACON, of Appleton House, Appleton, in the County of Lancaster, Alkali Manufacturer, for an invention for—"Improvements in the manufacture of caustic soda." <i>Letters Patent sealed.</i>
PLATT. RICHARDSON. HOLLAND. 10th April 1862.	1031. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, WILLIAM RICHARDSON, of the same place, Mechanical Engineer, and WILLIAM HOLLAND, of Salford, in the said County, Cotton Spinner, for an invention for—"Improvements in carding-engines." <i>Letters Patent sealed.</i>
PETRIE. 10th April 1862.	1032. JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Ironmonger, for an invention for—"Improvements in machinery or apparatus for blowing and exhausting air." <i>Letters Patent sealed.</i>
BURGE. 10th April 1862.	1033. GEORGE BURGE, of Albert Road, Regent's Park, in the County of Middlesex, Contractor, for an invention for—"An improved means of protecting forts, ships and other structures and places against projectiles and other striking bodies." <i>Letters Patent sealed.</i>
BARTHOLOMEW. HEPTINSTALL. 10th April 1862.	1034. CHARLES BARTHOLOMEW, of Broxholme, Wheatley, near Doncaster, Civil Engineer, and JOHN HEPTINSTALL, of Masbrough, near Rotherham, both in the County of York, for an invention for—"Improvements in making circular blooms such as are used in the manufacture of tyres and for other purposes." <i>Letters Patent sealed.</i>

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| <p>REYNOLDS.
10th April 1862.</p> <p>DAFT.
10th April 1862.</p> <p>FOX.
10th April 1862.</p> <p>TRIMEN.
10th April 1862.</p> <p>HOLLAND.
11th April 1862.</p> <p>GRICE.
11th April 1862.</p> <p>CARBUTT.
11th April 1862.</p> <p>GARNETT.
11th April 1862.</p> <p>GEDGE.
11th April 1862.</p> <p>MATHIAS.
11th April 1862.</p> <p>RIGOLLOT.
11th April 1862.</p> <p>LANDMANN.
11th April 1862.</p> <p>KNOWLES.
HOUGHTON.
KNOWLES.
HOUGHTON.
11th April 1862.</p> <p>BUTTERWORTH.
11th April 1862.</p> <p>CLARK.
11th April 1862.</p> <p>BUSH.
11th April 1862.</p> | <p>1035. OSBORNE REYNOLDS, of Debach, near Woodbridge, in the County of Suffolk, Clerk, for an invention for—"Improvements in building ships and other vessels."
<i>Provisional protection only</i></p> <p>1036. THOMAS BARNABAS DAFT, of 2, Queen Square, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in coverings for the feet."
<i>Provisional protection NOT granted.</i></p> <p>1037. WILLIAM FOX, of Amiens, in the Empire of France, for an invention for—"Improvements in the manufacture of brooms and brushes."
<i>Letters Patent sealed.</i></p> <p>1038. ANDREW TRIMEN, of No. 9, Adam Street, Adelphi, London, in the County of Middlesex, for an invention for—"The protection and solidification of magnesian limestone and other stones, and for the prevention of the passage of water through the same."
<i>Provisional protection only.</i></p> <p>1039. HENRY HOLLAND, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in manufacturing the stretcher joints of umbrellas and parasols."
<i>Letters Patent sealed.</i></p> <p>1040. JAMES THOMAS GRICE, of Birmingham, in the County of Warwick, Tube Maker, for an invention for—"Improvements in the manufacture of twisted metallic tubes."
<i>Letters Patent sealed.</i></p> <p>1041. EDWARD HAMER CARBUTT, of Bradford, in the County of York, Engineer, for an invention for—"Improvements in pistons."
<i>Provisional protection only.</i></p> <p>1042. JOHN GARNETT, of Windermere, in the County of Westmoreland, Printer and Stationer, for an invention for—"Improvements in apparatus for washing photographic pictures."
<i>Provisional protection only.</i></p> <p>1043. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved lamp for lighting mines."—<i>A communication to him from abroad by Alphonse Dumas, of No. 15, Passage des Petites Ecuries, Paris, France, Engineer superintending the Mines of Luc.</i>
<i>Letters Patent sealed.</i></p> <p>1044. JULES FRANCOIS MATHIAS, of 22, Rue du Châlons, Paris, in the Empire of France, Hat Manufacturer, for an invention for—"An apparatus for pressing and ironing straw hats of any shape or form."
<i>Letters Patent sealed.</i></p> <p>1045. FRANÇOIS RIGOLLOT, of No. 15, Passage des Petites Ecuries, Paris, in the Empire of France, for an invention for—"Improvements in machinery or apparatus for manufacturing riveting pegs for boots and shoes, and other pins or pegs."
<i>Letters Patent sealed.</i></p> <p>1046. JEAN MARIE LANDMANN, Incumbent of the Parish of St. Croix, in the Town of Algiers, and Colony of Algeria, for an invention for—"Improvements in hydraulic engines."
<i>Provisional protection only.</i></p> <p>1047. THOMAS KNOWLES, JAMES HOUGHTON, WILLIAM KNOWLES, and WILLIAM HOUGHTON, of Gomersal, in the County of York, Machine Makers, for an invention for—"Improvements in looms for weaving."
<i>Provisional protection only.</i></p> <p>1048. ELLIS BUTTERWORTH, of Calder Cottage, near Rochdale, in the County of Lancaster, Consulting Engineer and Patent Agent, for an invention for—"Improvements in machinery for applying adhesive substances to preserve the form of cops of yarn."
<i>Letters Patent sealed.</i></p> <p>1049. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of leathern accoutrements."—<i>A communication to him from abroad by Messrs. Adolphe Blanc and Jean Frédéric Auguste Marty, both of 29, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> <p>1050. WILLIAM BUSH, of Tower Hill, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of ships and shields."
<i>Provisional protection only.</i></p> |
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JOHNSON. 11th April 1862.	1051. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in fire-arms."— <i>A communication to him from abroad by The Society Cordier and Company, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
HOWARD. BOUSFIELD. PHILLIPS. 11th April 1862.	1052. JAMES HOWARD, Agricultural Engineer, and EDWARD TENNEY BOUSFIELD, Engineer, both of Bedford, and THOMAS PHILLIPS, Foreman, at the Britannia Iron Works, Bedford, for an invention for—"Improved apparatus applicable to steam cultivation." <i>Letters Patent sealed.</i>
WHITESMITH. 11th April 1862.	1053. ISAAC WHITESMITH, of Glasgow, in the County of Lanark, North Britain, Machine Maker, for an invention for—"Improvements in power looms, and in pirn-winding apparatus." <i>Letters Patent sealed.</i>
BUNNETT. 12th April 1862.	1054. JOSEPH BUNNETT, of Deptford, in the County of Kent, Engineer, for an invention for—"Improvements in revolving shutters, and in machinery for producing the same." <i>Letters Patent sealed.</i>
NUSSEY. 12th April 1862.	1055. NICHOLAS NUSSEY, of Holbeck, near Leeds, in the County of York, Mechanic, for an invention for—"Improvements in machinery or apparatus for preparing and combing wool, flax, hair, cotton, silk and other fibrous materials." <i>Letters Patent sealed.</i>
BOLLÉE. 12th April 1862.	1056. ERNEST BOLLÉE, of Lemans, Department of La Sarthe, in the Empire of France, Founder, for an invention for—"A new hydraulic ram." <i>Provisional protection only.</i>
SWEET. 12th April 1862.	1057. ANDREW SWEET, of Hampstead Road, in the County of Middlesex, Ironmonger, for an invention for—"Certain improvements in locks and latches." <i>Provisional protection only.</i>
DREWETT. 12th April 1862.	1058. EDGAR DREWETT, of Blackheath, in the County of Kent, Photographer, for an invention for—"Improvements in bottles and other vessels, whereby to separate and retain sediment from their contents." <i>Letters Patent sealed.</i>
CAMPBELL. 12th April 1862.	1059. ARCHIBALD SAMUELS CAMPBELL, of Hampstead, in the County of Middlesex, Gentleman, for an invention for—"Improvements in surface condensers." <i>Provisional protection only.</i>
CAMPBELL. 12th April 1862.	1060. ARCHIBALD SAMUELS CAMPBELL, of Hampstead, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the refrigeration of liquids." <i>Provisional protection only.</i>
PARK. 14th April 1862.	1061. JAMES PARK, of Bury, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in or applicable to steam-engines." <i>Letters Patent sealed.</i>
PEYTON. BATHO. 14th April 1862.	1062. EDWARD PEYTON, of Birmingham, in the County of Warwick, Manufacturer, and WILLIAM FOTHERGILL BATHO, of the same place, Manager, for an invention for—"Improvements in angle iron applicable to metallic bedsteads, roofs, bridges and other similar purposes." <i>Letters Patent sealed.</i>
SPENCER. 14th April 1862.	1063. JOHN FREDERICK SPENCER, of Newcastle-on-Tyne, Consulting Engineer, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
LEE. 14th April 1862.	1064. HENRY CLAY LEE, of 11, Lawrence Poultney Lane, in the City of London, Engineer, for an invention for—"Improvements in knitting-machines." <i>Provisional protection only.</i>
TOLHAUSEN. 14th April 1862.	1065. FREDERICK TOLHAUSEN, Civil Engineer and Patent Agent, of No. 17, Rue du Faubourg Montmartre, Paris, in the Empire of France, for an invention for—"A telegraphic dial printing apparatus."— <i>A communication from Jean Baptiste Rousse and Henry Vivès, two persons resident at No 17, Rue du Faubourg Montmartre aforesaid.</i> <i>Complete specification ; Letters Patent sealed.</i>
BEARD. 14th April 1863.	1066. JOHN BEARD, of Leonard Stanley, in the County of Gloucester, Mechanical Engineer, for an invention for—"An improvement or improvements in sofa beds or sofa bedsteads." <i>Provisional protection only.</i>

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| <p>FRENCH.
14th April 1862.</p> <p>DARLINGTON.
14th April 1862.</p> <p>HAMPSHIRE.
14th April 1862.</p> <p>DARGUE.
14th April 1862.</p> <p>HARBATT.
14th April 1862.</p> <p>CHILDS.
14th April 1862.</p> <p>BROOMAN.
14th April 1862.</p> <p>BROOMAN.
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14th April 1862.</p> <p>COXHEAD.
15th April 1862.</p> <p>FELL.
HAYNES.
15th April 1862.</p> <p>TAYLOR.
15th April 1862.</p> <p>BENNETT.
15th April 1862.</p> <p>LE MAT.
GIRARD.
15th April 1862.</p> | <p>1067. JAMES MARTIN FRENCH, of Birmingham, in the County of Warwick, Pianoforte Manufacturer, for an invention for—"Improvements in upright pianofortes."
<i>Provisional protection only.</i></p> <p>1068. JOHN DARLINGTON, of 26, Gresham Street, in the City of London, Mining Engineer, for an invention for—"Improvements in the arrangement of marine telegraph wires and cables."
<i>Provisional protection only.</i></p> <p>1069. JOSEPH KAYE HAMPSHIRE, of the Parish of Whittington, in the County of Derby, Civil Engineer, for an invention for—"A safety cage with disconnecting catch, to prevent accidents in the working of coal or other mines arising from the over winding or breaking of the ropes or other parts used for hoisting purposes."
<i>Letters Patent sealed.</i></p> <p>1070. JOHN DARGUE, of 63, Cobden Street, Lister Hills, Bradford, in the County of York, for an invention for—"Improvements in machinery for preparing and combing wool and other fibrous materials."
<i>Letters Patent sealed.</i></p> <p>1071. CHARLES HARBATT, of Hornsey Lane, Highgate, in the County of Middlesex, for an invention for—"Improvements in the manufacture of masts, yards and booms."
<i>Letters Patent sealed; no specification filed.</i></p> <p>1072. JAMES CHILDS, Gentleman, of Victoria Street, Pimlico, London, for an invention for—"Improvements in the manufacture of wax matches."
<i>Provisional protection only.</i></p> <p>1073. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in reaping and mowing machines."—<i>A communication to him from abroad by Ernest Clement, of 23, Boulevard de Strasbourg, Paris, France.</i>
<i>Provisional protection only.</i></p> <p>1074. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in carriages for transporting loads on railways, common roads and other surfaces."—<i>A communication to him from abroad by Nicolas de Maklakoff, of 8, Rue Geoffroy Marie, Paris, France.</i>
<i>Letters Patent sealed.</i></p> <p>1075. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in pumps."—<i>A communication to him from abroad by Jean Marie Henri Paul Metivier, of 34, Rue Keller, Paris, France.</i>
<i>Letters Patent sealed.</i></p> <p>1076. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved hobby horse."—<i>A communication to him from abroad by Amedée Constant Ponceau, of Rue des Vieux Augustins, Paris, France.</i>
<i>Letters Patent sealed.</i></p> <p>1077. CHARLES JAMES COXHEAD, of No. 10, Emeis Terrace, Kentish Town, in the County of Middlesex, late of Castle Street, Shrewsbury, in the County of Salop, for an invention for—"Improvements in pianoforte actions."
<i>Provisional protection only.</i></p> <p>1078. GEORGE FELL, Leather Manufacturer, and WILLIAM HAYNES, Manager, both of Bolton, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus to be used in the manufacture of leather."
<i>Letters Patent sealed.</i></p> <p>1079. JACOB TAYLOR, of Lyon Mill, Oldham, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in machinery or apparatus for preparing cotton or other fibrous materials to be spun."
<i>Provisional protection only.</i></p> <p>1080. THOMAS HARPER BENNETT, of Winchester House, Southwark, in the County of Surrey, Hat Manufacturer, for an invention for—"Improvements in the manufacture of hats, caps or other coverings for the head."
<i>Letters Patent sealed.</i></p> <p>1081. FRANCOIS ALEXANDRE LE MAT, of New Orleans, in the United States of America, Colonel Aide-de-Camp, and CHARLES FREDERIC GIRARD, of Washington, in the United States of America, Doctor of Medicine, for an invention for—"Improvements in the construction of revolving and repeating fire-arms, part of which invention is also applicable to other arms."
<i>Letters Patent sealed.</i></p> |
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ROCHE. 15th April 1862.	1082. RICHARD ROCHE, of Southsea, in the County of Hants, Lieutenant Royal Navy, for an invention for—"An improvement in gun carriages." <i>Provisional protection only.</i>
HEAP. 15th April 1862.	1083. CHARLES ROGERS HEAP, of Great George Street, in the City of Westminster, Agent, for an invention for—"An improved construction of railway chair." — <i>A communication to him from abroad by Antonio Gabrielli, now residing at Turin, in the Kingdom of Italy.</i> <i>Provisional protection only.</i>
NEWTON. 15th April 1862.	1084. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of blasting powder."— <i>A communication to him from abroad by Frederic Wynants and Prosper Esselens, of Ixelles, in the Kingdom of Belgium.</i> <i>Letters Patent sealed.</i>
BEDSON. 15th April 1862.	1085. GEORGE BEDSON, of Manchester, in the County of Lancaster, Manager, for an invention for—"Improvements in the manufacture of wire ropes and in the preparation of wire for such manufacture." <i>Letters Patent sealed.</i>
PLATT. CHEETHAM. 15th April 1862.	1086. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM CHEETHAM, of Moscow, in the Empire of Russia, but now residing at Oldham, aforesaid, Manager, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
PLATT. RICHARDSON. 15th April 1862.	1087. JOHN PLATT, of Oldham, in the County of Lancaster, and WILLIAM RICHARDSON, of the same place, Mechanical Engineers, for an invention for—"Improvements in machinery or apparatus for cleaning wool and other hairs of animals from burrs and other foreign matters." <i>Letters Patent sealed.</i>
PEACOCK. 15th April 1862.	1088. RICHARD ATKINSON PEACOCK, of St. Helier, in the Isle of Jersey, Civil Engineer, for an invention for—"Improvements in constructing and working lock gates for docks, harbours, canals and navigable rivers." <i>Letters Patent sealed.</i>
CLARK. 15th April 1862.	1089. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in ornamenting fabrics and other surfaces."— <i>A communication to him from abroad by Messrs. Eugène Siess, Calico Printer, and Charles Prosper Coindreux, Merchant, both of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
GRAY. 15th April 1862.	1090. THOMAS WOOD GRAY, of 114, Fenchurch Street, in the City of London, for an invention for—"Improvements in the manufacture of explosive compounds."— <i>A communication to him from abroad by Julian John Revy, a person resident at Vienna.</i> <i>Letters Patent sealed.</i>
PHILIPPSON. 15th April 1862.	1091. FERDINAND CARL PHILIPPSON, of Münzstrasse, Berlin, in the Kingdom of Prussia, for an invention for—"Improvements in steam hammers."— <i>A communication to him from abroad by Louis Schwartzkopff, a person residing at Chaussée, Berlin, aforesaid.</i> <i>Letters Patent sealed.</i>
CROSSDALE. 15th April 1862.	1092. JAMES CROSSDALE, of No. 2, Rotherfield Street, Islington, in the County of Middlesex, Bootmaker, for an invention for—"Certain improvements in boots and shoes for ventilating same." <i>Provisional protection only.</i>
RAINS. 15th April 1862.	1093. RUPERT RAINS, of No. 4, Crescent Bridge Street, Blackfriars, in the County of Middlesex, for an invention for—"Improvements in apparatus for freezing, cooling and churning."— <i>A communication to him from abroad by Georges Toselli, of No. 174, Faubourg Saint Martin, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
BARRETT. 16th April 1862.	1094. STEPHEN BARRETT, Machinist, of 8, Clifton Street, Finsbury, in the County of Middlesex, for an invention for—"Improvements in projectiles." <i>Provisional protection only.</i>
GISBORNE. 16th April 1862.	1095. FREDERIC NEWTON GISBORNE, of No. 3, Adelaide Place, London Bridge, in the City of London, Engineer and Electrician, for an invention for—"Improvements in the construction of electric targets for rifle and gun practice." <i>Provisional protection only.</i>
EDWARDS. HARRISON. 16th April 1862.	1096. THOMAS EDWARDS, of Liverpool, in the County of Lancaster, Gas Engineer, and JOSEPH HARRISON, of Liverpool, aforesaid, Ironmonger, for an invention for—"Improvements in letter receiving boxes and other like receptacles." <i>Letters Patent sealed.</i>

BARBOUR. 16th April 1862.	1097. JOHN BARBOUR, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"Improvements applicable to upholsterers' and other hand hammers."— <i>A communication to him from abroad by William Thompson, of the Firm of Thompson and Burns, of the City of Toronto, in Canada.</i> <i>Letters Patent sealed.</i>
LOCK. 16th April 1862.	1098. WALTER FERGUSSON LOCK, of Haylands, near Ryde, in the Isle of Wight, Esquire, for an invention for—"An elongated projectile to be shot from smooth bored ordnance, and which shall retain during its flight the longer axis in the direction of its line of flight, similarly to elongated projectiles propelled from rifled ordnance." <i>Letters Patent sealed.</i>
HADWEN. 16th April 1862.	1099. JOHN WILSON HADWEN, of Kebroyd Mills, in the Parish of Halifax, in the County of York, Cotton Spinner and Manufacturer, for an invention for—"Improvements in the treatment and application of soft silk waste." <i>Provisional protection only.</i>
STOTT. 16th April 1862,	1100. DAVID STOTT, of the Firm of John Whitely and Son, of Firth House Mills, Stainland, in the County of York, Paper Manufacturers, for an invention for—"Improvements in the manufacture of rings from paper, millboard or pasteboard, applicable for steam or other pipe joints, bobbin ends or other purposes, and in the means or apparatus employed therein, which are also applicable to the manufacture of rings from other flexible substances." <i>Letters Patent sealed.</i>
MACKAY. 16th April 1862.	1101. JAMES MACKAY, of Liverpool, in the County of Lancaster, Timber Merchant, for an invention for—"Certain improvements in projectiles for fire-arms." <i>Letters Patent sealed.</i>
ROWAN. 16th April 1862.	1102. JOHN MARTIN ROWAN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in manufacturing articles of cast steel." <i>Provisional protection only.</i>
COCHRAN. COCHRAN. 16th April 1862.	1103. ROBERT COCHRAN and ROBERT COCHRAN, junior, of Paisley, in the County of Renfrew, North Britain, Manufacturers, for an invention for—"Improvements in producing ornamental fabrics." <i>Provisional protection only.</i>
WARREN. 16th April 1862.	1104. FREDERIC PELHAM WARREN, of East Court, Cosham, in the County of Hants, Commander in the Royal Navy, for an invention for—"Improvements in apparatus for steering seagoing vessels." <i>Letters Patent sealed.</i>
CARTWRIGHT. 16th April 1862.	1105. MATTHEW CARTWRIGHT, of St. John's Row, Hoxton, in the County of Middlesex, Dentist, for an invention for—"Improvements in the manufacture of models and of plates or pieces for artificial teeth, and in combining or amalgamating india-rubber and gutta-percha with metals for the manufacture of artificial plates or pieces and for other purposes." <i>Provisional protection only.</i>
MARSDEN. 16th April 1862.	1106. WILLIAM JOHN MARSDEN, of Sheffield, in the County of York, for an invention for—"Improvements in eye-shades." <i>Provisional protection only.</i>
NEWTON. 16th April 1862.	1107. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improvement in setting artificial teeth."— <i>A communication to him from abroad by David Steinberg, of the City and County of San Francisco, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 16th April 1862.	1108. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of cannon and other ordnance, and of solid and hollow cylinders for shafting and other purposes, of wrought iron or steel or both combined."— <i>A communication to him from abroad by David Tomlinson Yeakel, of Lafayette, State of Indiana, United States of America.</i> <i>Letters Patent sealed.</i>
STANTON. 16th April 1862.	1109. JOHN STANTON, of Birmingham, in the County of Warwick, Engine Fitter, for an invention for—"Improvements in apparatus or machinery to be used in stamping or piercing metal washers and other similar articles." <i>Letters Patent sealed.</i>

JOHNSON. 16th April 1862.	1110. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in machinery or apparatus for cutting the teeth of wheels, racks or segments."— <i>A communication to him from abroad by Ludwig Philipp Schultz, Carl Schultz, and Adolf Schultz, all of Mayence, in the Kingdom of Prussia, Engineers.</i> <i>Letters Patent sealed.</i>
ASHBURY. 16th April 1862.	1111. JOHN ASHBURY, of Manchester, in the County of Lancaster, Contractor, for an invention for—"Improvements in the permanent way of railways." <i>Letters Patent sealed.</i>
JOHNSON. 16th April 1862.	1112. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in railway and common road carriages."— <i>A communication to him from abroad by Claude Marie Bathias, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
FORD. 16th April 1862.	1113. JOHN WILLIAM FORD, of Shooters Hill, in the County of Kent, for an invention for—"Improvements in sewing-machines."— <i>A communication to him from abroad by Gordon McKay, of Boston, and Robert Henry Mathies, of Manchester, both in the United States of America.</i> <i>Letters Patent sealed.</i>
WESTON. 16th April 1862.	1114. JOHN WESTON, of 80, Upper Whitecross Street, St. Luke's, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for morticing, drilling and dove-tailing, and in tools to be used therewith." <i>Provisional protection only.</i>
ABEL. 17th April 1862.	1115. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture and production of the chromates and the bichromates of potash and of soda."— <i>A communication to him from abroad by Louis Alexandre Taillandier, Chemist, of Argenteuil, in the Empire of France.</i> <i>Provisional protection only.</i>
KRUPP. 17th April 1862.	1116. ALFRED KRUPP, of Essen, in the Kingdom of Prussia, Cast Steel Manufacturer, for an invention for—"Certain improvements in the manufacture of screw propellers." <i>Provisional protection only.</i>
FLEURY. 17th April 1862.	1117. VICTOR FLEURY, of No. 23, Rue de la Paix, in the City of Paris, in the Empire of France, Clock Maker, for an invention for—"Improvements in clocks and other time-keepers." <i>Provisional protection only.</i>
HUTCHINSON. 17th April 1862.	1118. WILLIAM HODGSON HUTCHINSON, of Bury, in the County of Lancaster, Starch Manufacturer, for an invention for—"Improvements in the manufacture of ammonia or its salts and cyanogen or its compounds from refuse gluten." <i>Provisional protection only.</i>
GRIFFITHS. 17th April 1862.	1119. JOHN GRIFFITHS, of Liverpool, in the County of Lancaster, Civil Engineer, for an invention for—"Improvements in propelling ships and other navigable vessels." <i>Provisional protection only.</i>
HARLING. TODD. HARLING. 17th April 1862.	1120. WILLIAM HARLING, JOHN MATTHEW TODD, and THOMAS HARLING, all of Burnley, in the County of Lancaster, Machine Makers, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
TOLHAUSEN. 17th April 1862.	1121. FREDERICK TOLHAUSEN, Patent Agent, 17, Faubourg Montmartre, Paris, in the Empire of France, for an invention for—"An improved machine for making bricks, tiles and the like articles."— <i>A communication from Victor Duprat, a person resident at Canejan, in the Department de la Gironde, France.</i> <i>Provisional protection only.</i>
MURPHY. 17th April 1862.	1122. JAMES MURPHY, senior, of Glasgow, in the County of Lanark, North Britain, Pattern Designer, for an invention for—"Improvements in looms." <i>Letters Patent sealed.</i>
TEMPERLEY. 17th April 1862.	1123. JOHN PUGH TEMPERLEY, of the Soho Iron Works, Bolton-le-Moors, in the County of Lancaster, Engineer, for an invention for—"Improvements in the air pumps of steam-engines." <i>Provisional protection only.</i>

- BOUSFIELD.
17th April 1862. 1124. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in sewing-machines."—*A communication to him from abroad by William Grover, of the Grover and Baker Sewing-Machine Company, a person resident at Boston, State of Massachusetts, United States of America.* Complete specification; Letters Patent sealed.
- PERIN.
17th April 1862. 1125. JEAN LOUIS PERIN, Engineer, residing at No. 97, Rue du Faubg. St. Antoine, Paris, for an invention for—"Improvements in machinery for mortising wood." Letters Patent sealed.
- GARDNER.
17th April 1862. 1126. HENRY GARDNER, of Leeds, in the County of York, Manufacturer, for an invention for—"Improvements in machinery for breaking and preparing flax and other fibrous substances." Provisional protection only.
- ABEL.
17th April 1862. 1127. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture and production of certain alloys containing cadmium."—*A communication to him from abroad by Henri Catherine Camille de Ruolz and Anselm Louis Marie Fontenay, both residing at Paris, in the Empire of France.* Letters Patent sealed.
- BROOMAN.
17th April 1862. 1128. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in taps and valves."—*A communication to him from abroad by Jean Antoine Clement, Antoine Crozy, and André Morateur, all of 23, Boulevard de Strasbourg, Paris, France.* Letters Patent sealed.
- BROOMAN.
17th April 1862. 1129. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in buffing apparatuses and in draw springs."—*A communication to him from abroad by Richard Dover Chatterton, of Cobourg, Canada West.* Letters Patent sealed.
- ANDERSON.
17th April 1862. 1130. WILLIAM ANDERSON, of 85, Shaftesbury Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in tubular steam generators." Provisional protection only.
- GALLAGHER.
17th April 1862. 1131. HENRY GALLAGHER, of Bermondsey, in the County of Surrey, Manufacturer, for an invention for—"Improvements in overalls, leggings, or in overboots." Provisional protection only.
- RIDEAL.
SHEPHERD.
17th April 1862. 1132. SAMUEL RIDEAL, Railway Carriage Builder and Engineer, of Manchester, and ROBERT SHEPHERD, Gentleman, of Great Grimsby, Lincolnshire, for an invention for—"Improvements in railway brake apparatus." Letters Patent sealed.
- CLARK.
17th April 1862. 1133. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of railway rails."—*A communication to him from abroad by Jean Baptiste Delrieu, of 29, Boulevard St. Martin, Paris, Metallurgist.* Letters Patent sealed.
- RIVETT.
HETHERINGTON.
17th April 1862. 1134. JOSEPH CEDRIC RIVETT, of Prestolee New Mills, Farnworth, in the County of Lancaster, Cotton Spinner, and JOHN MUIR HETHERINGTON, of Manchester, in the said County, Machine Maker, for an invention for—"Improvements in machinery or apparatus for preparing cotton and other fibrous materials for spinning." Letters Patent sealed.
- WEDGWOOD.
17th April 1862. 1135. RALPH WEDGWOOD, of Barnes, in the County of Surrey, Gentleman, for an invention for—"Improved apparatus for facilitating the saving of life in cases of fire." Letters Patent sealed.
- DENNISON.
19th April 1862. 1136. ROBERT DENNISON, of Lancaster, in the County of Lancaster, Joiner, for an invention for—"Improvements in reaping and mowing machines." Letters Patent sealed.
- DOVE.
19th April 1862. 1137. EDWIN DOVE, of Hunter Street, in the County of Middlesex, Gentleman, for an invention for—"Improvements in matches and fuzes, and apparatus for containing and igniting the same." Provisional protection only.
- PHILLIPS.
19th April 1862. 1138. JOSEPH SCOTT PHILLIPS, Major H.M.'s I.R. List, of No. 10, College Crescent, Finchley Road, in the County of Middlesex, for an invention for—"A new method and apparatus for the propulsion of vessels through the water." Letters Patent sealed.

SHANKS.
19th April 1862.

1139. JOHN SHANKS, of Barrhead, in the County of Renfrew, North Britain, Plumber, for an invention for—"Improvements in apparatus for promoting ventilation, also applicable to drying stoves." *Provisional protection only.*

MASTERS.
19th April 1862.

1140. MOSES MASTERS, of New Kent Road, in the County of Surrey, Artificial Hand and Leg Manufacturer, for an invention for—"Improvements in artificial legs." *Provisional protection only.*

STUART.
STUART.
HILL.
19th April 1862.

1141. RICHARD STUART and GRAHAM STUART, Spindle and Flyer Manufacturers, and HENRY HILL, Bookkeeper, all of Sheffield, in the County of York, for an invention for—"Improvements in fastening flyers upon spindles." *Letters Patent sealed.*

RHODES.
19th April 1862.

1142. BENJAMIN RHODES, of Old Ford Road, Bow, in the County of Middlesex, for an invention for—"Improvements in the machinery for and in the method of making, as also in the materials to be employed in the manufacture of cylinders, tubes and other vessels from paper and other materials or fabrics." *Letters Patent sealed.*

MUNN.
BALLANTINE.
19th April 1862.

1143. WALTER MUNN, of Borrowstounness, in the County of Linlithgow, North Britain, Engineer, and DAVID BALLANTINE, junior, of the same place, Ironfounder, for an invention for—"Improvements in mills for grinding." *Provisional protection only.*

BROWNE.
19th April 1862.

1144. BENJAMIN BROWNE, of No. 52, King William Street, in the City of London, Civil Engineer and Patent Agent, for an invention for—"Improvements in breech-loading fire-arms."—*A communication to him from abroad by Felix Célestin Palis, of 15, Place de la Bourse, Paris, in the French Empire, Directeur du Bureau de Traduction.* *Provisional protection only.*

LOYSEL.
19th April 1862.

1145. EDWARD LOYSEL, of Cannon Street, in the City of London, Civil Engineer, for an invention for—"Improvements in locks and fastenings." *Letters Patent sealed.*

ROSE.
19th April 1862.

1146. WILLIAM ROSE, of Hales Owen, in the County of Worcester, Manufacturer, for an invention for—"Improvements in the manufacture of tubes, more especially applicable to the barrels of fire-arms and ordnance." *Letters Patent sealed.*

PARKES.
19th April 1862.

1147. ALEXANDER PARKES, of Liverpool Street, Birmingham, in the County of Warwick, for an invention for—"Improvements in the manufacture of rollers for surface printing and embossing." *Letters Patent sealed.*

WORNUM.
19th April 1862.

1148. ALFRED NICHOLSON WORNUM, of Store Street, in the County of Middlesex, for an invention for—"Improvements in pianofortes." *Letters Patent sealed.*

PARKES.
19th April 1862.

1149. ALEXANDER PARKES, of Liverpool Street, Birmingham, in the County of Warwick, for an invention for—"Improvements in surface condensers." *Letters Patent sealed.*

LUMLEY.
19th April 1862.

1150. HENRY LUMLEY, of Chancery Lane, in the County of Middlesex, Auctioneer, for an invention for—"An improved rudder." *Letters Patent sealed.*

TRONCHON.
21st April 1862.

1151. ALFRED PIERRE TRONCHON, of 2, Rue Sainte Appoline, Paris, France, and of 4, South Street, Finsbury, London, for an invention for—"Improvements in the construction of houses, walls, palisades and other similar constructions." *Letters Patent sealed.*

COMBE.
21st April 1862.

1152. JAMES COMBE, of Belfast, in the County of Antrim, and Kingdom of Ireland, for an invention for—"Improvements in machinery for hackling flax and other fibrous substances." *Letters Patent sealed.*

MONCKTON.
21st April 1862.

1153. EDWARD HENRY CRADOCK MONCKTON, of No. 5, Thurloe Place, South Kensington, in the County of Middlesex, Esquire, for an invention for—"Improvements in the preparation of metal to be used in the construction of cannon, rifles, armour plates, and other objects used in naval or military warfare or otherwise." *Letters Patent sealed.*

PICKARD.
MORRIS.
21st April 1862.

1154. JOHN PICKARD, Engineer, and THOMAS MORRIS, Broker, both of Preston, in the County of Lancaster, for an invention for—"Improvements in furnaces for the prevention or consumption of smoke." *Provisional protection only.*

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| <p>MATTHEWS.
21st April 1862.</p> <p>GRIFFIN.
21st April 1862.</p> <p>MARKS.
21st April 1862.</p> <p>CLARKE.
21st April 1862.</p> <p>BROOMAN.
21st April 1862.</p> <p>TOLHAUSEN.
21st April 1862.</p> <p>ATTWOOD.
21st April 1862.</p> <p>CALLEBAUT.
21st April 1862.</p> <p>DIXON.
21st April 1862.</p> <p>AMOS.
21st April 1862.</p> <p>CREEKE.
21st April 1862.</p> <p>LEA.
SMITH.
22nd April 1862.</p> <p>MONCKTON.
22nd April 1862.</p> <p>PUTNAM.
22nd April 1862.</p> <p>ELLIOTT.
22nd April 1862.</p> <p>WEBSTER.
22nd April 1862.</p> | <p>1155. SAMUEL PARKES MATTHEWS, of Wolverhampton, in the County of Stafford, for an invention for—"Improvements in vices." <i>Letters Patent sealed.</i></p> <p>1156. SANDIFORTH FEATHERSTONE GRIFFIN, of New Adelphi Chambers, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of vessels of war and batteries on land." <i>Provisional protection only.</i></p> <p>1157. ABRAHAM MARKS, of Cannon Street Road, in the County of Middlesex, for an invention for—"Improvements in artificial feathers applicable to certain ornaments of dress." <i>Provisional protection only.</i></p> <p>1158. EDWIN FRANCIS CLARKE, of Waterloo, near Liverpool, in the County of Lancaster, Gentleman, for an invention for—"Improvements in propellers for steam ships and other vessels." <i>Provisional protection only.</i></p> <p>1159. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in jackets or protectors for covering metal and other surfaces to prevent loss of heat by radiation."—<i>A communication to him from abroad by Charles Louis Ruquois, residing at Marseilles, France.</i> <i>Letters Patent sealed.</i></p> <p>1160. FREDERICK TOLHAUSEN, C. E. and Patent Agent, of 17, Faubourg Montmartre, Paris, France, but now residing at No. 100, Fleet Street, London, for an invention for—"An improvement in horse-shoes."—<i>A communication to him from abroad by Paul Eugène Clément, Esq., a person resident at St. Amand (Marne), France.</i> <i>Provisional protection only.</i></p> <p>1161. THOMAS ATTWOOD, of Lewes, in the County of Sussex, Ironmonger, for an invention for—"Improvements in kitcheners." <i>Letters Patent sealed.</i></p> <p>1162. CHARLES CALLEBAUT, of 2, Rue Sainte Appoline, Paris, France, and of 4, South Street, Finsbury, London, for an invention for—"Some improvements in sewing-machines." <i>Letters Patent sealed.</i></p> <p>1163. ADAM DIXON, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in knife and fork cleaning machines." <i>Provisional protection only.</i></p> <p>1164. JAMES CHAPMAN AMOS, of the Firm of Easton, Amos, and Sons, of the Grove, Southwark, in the County of Surrey, Engineer, for an invention for—"An improved mode of and improvements in apparatus for supplying surface condensers with water, part of which improvements is applicable to blowers and rotary pumps generally." <i>Letters Patent sealed.</i></p> <p>1165. CHRISTOPHER CRABB CREEKE, of Bournemouth, in the County of Hants, Architect and Surveyor, for an invention for—"Improvements in the construction of drain and other pipes." <i>Letters Patent sealed.</i></p> <p>1166. THOMAS LEA, of Smethwick, in the County of Stafford, Bellhanger, and SAMUEL SMITH, of the same place, Bellhanger, for an invention for—"Improvements in burglary alarms or indicators." <i>Letters Patent sealed.</i></p> <p>1167. EDWARD HENRY CRADOCK MONCKTON, of Thurloe Place, South Kensington, in the County of Middlesex, Esquire, for an invention for—"Improvements in umbrellas, parasols, awnings, tents and covering-cloths, and in waterproofing the same." <i>Letters Patent sealed.</i></p> <p>1168. SILAS SAFFORD PUTNAM, of Dorchester, County of Norfolk, and State of Massachusetts, United States of America, for an invention for—"Certain improvements in machines for forging horse-shoe nails and other articles." <i>Letters Patent sealed.</i></p> <p>1169. CHARLES EARP ELLIOTT, of No. 5, Aldermanbury Postern, in the City of London, for an invention for—"Improvements in the preparation of dried yeast."—<i>A communication to him from abroad by Messrs. Georg Grossberger and Hermann Christian Kurz, of Nuremberg, in the Kingdom of Bavaria, Lead Pencil Manufacturers.</i> <i>Provisional protection only.</i></p> <p>1170. CHARLES WEBSTER, of Park Steps, Ilkeston Road, Radford, in the County of Nottingham, Locksmith, for an invention for—"Improvements in self acting fountains adapted for garden engines, fire engines, and for raising and forcing water from mines, wells and other places." <i>Provisional protection only.</i></p> |
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WARNER. 22nd April 1862.	1171. ARTHUR WARNER, of Threadneedle Street, in the City of London, Merchant, for an invention for—"Improvements in the construction of vessels of war and in floating or other batteries." <i>Letters Patent sealed.</i>
JOHNSON. 22nd April 1862.	1172. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in apparatus for propelling and manœuvring ships."— <i>A communication to him from abroad by Jean Pierre Victor Le Rouge and Jacques Henri Charles De Berly, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
SCOVILLE. 22nd April 1862.	1173. GEORGE SCOVILLE, of Wood's Hotel, Furnival's Inn, in the City of London, Attorney at Law, for an invention for—"Improvements in pistons for steam-engines."— <i>A communication to him from abroad by Augustus James Scoville and Augustus Hervey De Clercq, of Bloomington, Illinois, United States of America.</i> <i>Letters Patent sealed.</i>
BOBY. 22nd April 1862.	1174. ROBERT BOBY, of Bury St. Edmunds, in the County of Suffolk, Agricultural Implement Maker, for an invention for—"Improvements in the construction of apparatus for rolling or crushing land." <i>Letters Patent sealed.</i>
JINKS. 23rd April 1862.	1175. RICHARD JINKS, of No. 20, Upper King Street, Bloomsbury, in the County of Middlesex, Window Blind Maker, for an invention for—"Improvements in apparatus for suspending, raising and lowering venetian blinds, and for retaining them and other blinds and also curtains and sun shades at any required height." <i>Provisional protection only.</i>
HOLDEN. 23rd April 1862.	1176. LUKE HOLDEN, of Burnley, in the County of Lancaster, Saddler, for an invention for—"Certain improvements in harness for animals of draught and burden." <i>Provisional protection only.</i>
MOIR. 23rd April 1862.	1177. WILLIAM MOIR, of the City of Manchester, Gentleman, for an invention for—"An improved instrument for ascertaining the specific gravity of liquids." <i>Letters Patent sealed.</i>
BATES. 23rd April 1862.	1178. GEORGE NORTON BATES, of New Basford, in the County of Nottingham, for an invention for—"Improvements in dressing lace and other fabrics." <i>Letters Patent sealed.</i>
BIRKBECK. 23rd April 1862.	1179. GEORGE HENRY BIRKBECK, of the Firm of Tongue & Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents & Engineers, for an invention for—"Improvements in lubricating-apparatus."— <i>A communication to him from abroad by M. Leon Amenc, Oil Manufacturer, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
CARPENTER. 23rd April 1862.	1180. WILLIAM CARPENTER, of Greenwich, in the County of Kent, Printer, for an invention for—"An improved method of printing in colors." <i>Letters Patent sealed.</i>
PRICE. 23rd April 1862.	1181. JAMES PRICE, of Dundalk, Ireland, Civil Engineer, for an invention for—"Improvements in spikes for railways and other purposes, and in the mode of manufacturing and securing the same." <i>Provisional protection only.</i>
ROBERTSON. BARTER. 23rd April 1862.	1182. ALEXANDER ROBERTSON, of 22, Bachelor's Walk, in the City of Dublin, Surgical Instrument Maker, and RICHARD BARTER, of Saint Annes, Blarney, in the County of Cork, Ireland, Doctor of Medicine, for an invention for—"Improvements in apparatus for distributing and projecting fluids either for surgical, sanatory or domestic purposes." <i>Letters Patent sealed.</i>
FEAR. 23rd April 1862.	1183. WILLIAM FEAR, junior, of the City of Bristol, Veneer Cutter, for an invention for—"Improved arrangements for joining the saw plates of veneer and other saws constructed in segments." <i>Provisional protection only.</i>
HODGKINSON. 23rd April 1862.	1184. ALFRED HODGKINSON, of Glenville Bleach Works, Belfast, in the County of Antrim, Ireland, for an invention for—"A mixture or composition to be used in the process of boiling, preparing or bleaching vegetable substances, whether they are in the manufactured or unmanufactured state, which mixture may also be used in the manufacture of soap." <i>Letters Patent sealed.</i>

- JOHNSON.
23rd April 1862. 1185. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in apparatus for taking deep sea soundings and for recording the speed of ships."—*A communication to him from abroad by William Trowbridge, of the Engineer Agency, 5, Bowling Green, New York, United States of America.* Letters Patent sealed.
- BOUSFIELD.
23rd April 1862. 1186. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the construction of elliptic springs for wheel carriages and other purposes."—*A communication to him from abroad by the inventor Jabez Marshall Woodward, a person resident at Brooklyn, in the County of Kings, and State of New York, in the United States of America.* Letters Patent sealed.
- NEWTON.
23rd April 1862. 1187. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in looms for manufacturing tufted pile fabrics and in the mode of operating such looms."—*A communication to him from abroad by Halcyon Skinner, of West Farms, West Chester County, State of New York, United States of America.* Letters Patent sealed.
- NEWTON.
23rd April 1862. 1188. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved fertilizing composition."—*A communication to him from abroad by John McAuley Gallacher, of Roxbury, County of Norfolk, Massachusetts, United States of America.* Letters Patent sealed.
- NEWTON.
23rd April 1862. 1189. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of imitation lace, net or open work fabrics."—*A communication to him from abroad by Lucien Henry L'heureux, Eugene Victor L'heureux, and Charles Alphonse L'heureux, of Rue St. Sébastien, Paris.* Letters Patent sealed.
- HEINKE.
23rd April 1862. 1190. CHARLES EDWIN HEINKE, of 79, Great Portland Street, in the County of Middlesex, Submarine Engineer, for an invention for—"Improvements in diving helmets, dresses and apparatus, parts of which improvements may also be employed for extinguishing fires in ships and other confined places." Letters Patent sealed.
- ENDEAN.
24th April 1862. 1191. JOHN ENDEAN, of Locksfields, Walworth, in the County of Surrey, Brass Founder, for an invention for—"Improvements in cocks, taps and valves." Letters Patent sealed.
- HAGGETT.
24th April 1862. 1192. WILLIAM HAGGETT, of Sherborne, in the County of Dorset, Architect and Surveyor, for an invention for—"Improvements in locomotive engines and carriages for railways, part of which improvements are applicable to carriages and vehicles for tram and common roads." Letters Patent sealed; specification filed by order.
- WHEATLEY.
24th April 1862. 1193. HENRY WHEATLEY, of Hopton Mills, Mirfield, in the County of York, Woollen Manufacturer, for an invention for—"Improvements in or applicable to the employment of steam for heating or drying purposes." Letters Patent sealed.
- BOND.
24th April 1862. 1194. JOHN BOND, of Burnley, in the County of Lancaster, Machine Maker, for an invention for—"Certain improvements in projectiles, which improvements are applicable to horns attached to vessels for war purposes." Letters Patent sealed.
- RUCK.
24th April 1862. 1195. WILLIAM DENNY RUCK, of No. 8, Duke Street, London Bridge, in the Borough of Southwark, and County of Surrey, Merchant, for an invention for—"The manufacture of grease from coal tar, coal oil, creosote or dead oil." Provisional protection only.
- WINSBORROW.
24th April 1862. 1196. JOHN WINSBORROW, of No. 4, Samson Terrace, Marlborough Road, Dalston, in the County of Middlesex, Gas Meter Maker, for an invention for—"Improvements in wet gas meters." Letters Patent sealed.
- DAVIES.
24th April 1862. 1197. GEORGE DAVIES, of Bellevue Terrace, Seven Sisters Road, Holloway, in the County of Middlesex, Mat Maker, for an invention for—"Improvements in the manufacture of matting and in apparatus for the same." Letters Patent sealed.

TRAVERSIER. 24th April 1862.	1198. JOSEPH ADOLPHE TRAVERSIER, of 2, Rue Sainte-Appoline, France, and of 4, South Street, Finsbury, London, for an invention for—"Some improvements in making ladies' bonnets." <i>Provisional protection only.</i>
ALLEN. 24th April 1862.	1199. JOHN FRANKLIN ALLEN, of the City, County, and State of New York, in the United States of America, Engineer, for an invention for—"Improvements in slide valves and valve gear for steam-engines." <i>Letters Patent sealed.</i>
BELDING. 24th April 1862.	1200. GEORGE WASHINGTON BELDING, of No. 7, King Street, Cheapside, in the City of London, Gentleman, for an invention for—"Improvements in harrows or cultivators."— <i>A communication to him from abroad by Willis Churchill, of Newark, in the State of New Jersey, United States of America, Machinist.</i> <i>Provisional protection only.</i>
DANGERFIELD. 24th April 1862.	1201. FREDERICK DANGERFIELD, of Bedford Street, in the City of Westminster, Lithographer, for an invention for—"Improvements in lithographic or zincographic presses." <i>Letters Patent sealed.</i>
MUSHET. 24th April 1862.	1202. ROBERT MUSHET, of Coleford, in the County of Gloucester, Metallurgist, for an invention for—"An improvement or improvements in the lining, repairing or 'fettling' of puddling furnaces." <i>Letters Patent sealed.</i>
OFFORD. 24th April 1862.	1203. JOSEPH OFFORD, of Wells Street, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in carriages." <i>Provisional protection only.</i>
ZIMARA. 24th April 1862.	1204. RUDOLPH ZIMARA, of St. Petersburg, in the Empire of Russia, Engineer, for an invention for—"Improvements in stoves for heating and ventilating buildings." <i>Letters Patent sealed.</i>
ASHBY. 24th April 1862.	1205. THOMAS WOODHOUSE ASHBY, of Stamford, Agricultural Implement Maker, for an invention for—"Improved apparatus for obtaining motive-power from the wind."— <i>A communication to him from abroad by Ludwig Hauswald, Friederich Hauswald, and Carl Gustav Dittmar, of Riga, in the Empire of Russia.</i> <i>Provisional protection only.</i>
SALISBURY. 25th April 1862.	1206. SILAS COVELL SALISBURY, of Coventry, in the County of Warwick, Engineer, for an invention for—"Improvements in the construction of sewing-machines." <i>Provisional protection only.</i>
BARNETT. 25th April 1862.	1207. FREDERIC BARNETT, residing at Paris, No. 164, Rue de Rivoli, late of No. 60, St. Mary Axe, in the City of London, for an invention for—"Improved electric danger signals for railways and other cognate purposes." <i>Provisional protection only.</i>
RICHARDS. 25th April 1862.	1208. GEORGE RICHARDS, of No. 2, Caroline Street, Bedford Square, in the County of Middlesex, Esquire, for an invention for—"Improvements in ordnance and the manner of loading such with the charges and projectiles suitable thereto." <i>Letters Patent sealed.</i>
BRUNET. 25th April 1862.	1209. JOHN FRANCIS BRUNET, of No. 21, King William Street, Strand, in the County of Middlesex, Special Agent of the Imperial Commissioners of France for "International Exhibition of 1862," for an invention for—"Improvements in the manufacture of fringes and in apparatus connected therewith."— <i>A communication to him from abroad by Edme Paul Villain, of Paris, Empire of France, Manufacturer.</i> <i>Provisional protection only.</i>
MANSSELL. 25th April 1862.	1210. RICHARD CHRISTOPHER MANSSELL, of Ashford, in the County of Kent, Engineer, for an invention for—"Improvements in the construction of wheels to be used on railways." <i>Letters Patent sealed.</i>
DRUMMOND. 25th April 1862.	1211. PETER ROBERT DRUMMOND, of Perth, North Britain, for an invention for—"A revolving rake for lifting objects from the ground." <i>Letters Patent sealed.</i>
DAVIES. 25th April 1862.	1212. JOHN TAYLOR DAVIES, of Liverpool, in the County of Lancaster, Provision Merchant, for an invention for—"Improvements in circuit horse powers."— <i>A communication to him from abroad by Stuart Perry, of Newport, in the State of New York, one of the United States of America.</i> <i>Provisional protection only.</i>

ROBERTS. 25th April 1862.	1213. RICHARD PERCY ROBERTS, of 3, Exeter Villas, Kennington Oval, in the County of Surrey, for an invention for—"Improvements in the preparation of paper for copying letters and other documents and in the preparation of copying ink." <i>Provisional protection only.</i>
ELDER. 25th April 1862.	1214. JOHN ELDER, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in steam-engines and boilers." <i>Letters Patent sealed.</i>
SHAW. 25th April 1862.	1215. JOHN SHAW, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in steam and other power-engines and indicators."— <i>A communication to him from abroad by John Shaw, the younger, of Ferrol, in Spain.</i> <i>Letters Patent sealed.</i>
ASPINALL. 25th April 1862.	1216. JAMES ASPINALL, of Middlesborough-on-Tees, in the County of York, for an invention for—"An improved apparatus for the safe conveyance from sea to land of ships' papers, documents, money and other valuables when wrecks or other casualties occur at sea." <i>Letters Patent sealed.</i>
REED. 25th April 1862.	1217. CHARLES REED, of Kintbury, in the County of Berks, Esquire, for an invention for—"A new method of treating the sorghum saccharatum or holcus saccharatus in order to obtain saccharine liquor and pulp therefrom." <i>Provisional protection only.</i>
KIRK. 25th April 1862.	1218. ALEXANDER CARNEGIE KIRK, of Bathgate, North Britain, Engineer, for an invention for—"Improvements in refrigerating-apparatus." <i>Letters Patent sealed.</i>
APPLEGARTH. 25th April 1862.	1219. AUGUSTUS APPLGARTH, of Dartford, in the County of Kent, for an invention for—"Improvements in printing in colours and in apparatus to be employed for this purpose." <i>Provisional protection only.</i>
HALE. 25th April 1862.	1220. WILLIAM HALE, of No. 6, John Street, Adelphi, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rockets." <i>Letters Patent sealed.</i>
FISKEN. 25th April 1862.	1221. WILLIAM FISKEN, of Stamfordham, in the County of Northumberland, Presbyterian Minister, for an invention for—"Improved apparatus for cultivating land by means of steam power." <i>Letters Patent sealed.</i>
McLACHLAN. 25th April 1862.	1222. LACHLAN McLACHLAN, of Manchester, in the County of Lancaster, Photographic Artist, for an invention for—"Improvements in governing or regulating light used for taking photographic portraits and other photographic pictures, part of which improvements is also applicable to lighting picture galleries." <i>Letters Patent sealed.</i>
NEGRETTE. ZAMBRA. 25th April 1862.	1223. ENRICO ANGELO LUDOVICO NEGRETTE, and JOSEPH WARREN ZAMBRA, both of Hatton Garden, in the City of London, Meteorological Instrument Makers, for an invention for—"Improvements in the construction of mercurial minimum thermometers." <i>Letters Patent sealed.</i>
NEWTON. 25th April 1862.	1224. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in chimnies for lamps."— <i>A communication to him from abroad by Harvey Brown, of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
LE SOUËF. 26th April 1862.	1225. DUDLEY CHARLES LE SOUËF, of Twickenham, in the County of Middlesex, England, for an invention for—"An improvement in the manufacture of nails, bolts, rivets, screws, eyes and split-keys or pins."— <i>A communication to him from abroad by John Schuberth, of Vienna, in Austria.</i> <i>Provisional protection only.</i>
BROCKLEHURST. 26th April 1862.	1226. THOMAS UNETT BROCKLEHURST, of the firm of Messieurs J. and T. Brocklehurst and Sons, of Macclesfield, in the County of Chester, Silk Manufacturers, for an invention for—"Improvements in machinery for reeling singles, trams, organzines and sewing silks." <i>Letters Patent sealed; no specification filed.</i>
LAW. 26th April 1862.	1227. GEORGE HENRY LAW, of 17, Rochester Road, Camden New Town, Gentleman, for an invention for—"Improved means for draining flower pots and other articles or things which require draining in the same or a similar manner." <i>Provisional protection only.</i>

ALLEYNE. 26th April 1862.	1228. JOHN GAY NEWTON ALLEYNE, of the Butterley Iron Works, Alfreton, in the County of Derby, for an invention for—"Improvements in machinery and apparatus for the preparation and manufacture of iron and steel." <i>Letters Patent sealed.</i>
ALCAN. 26th April 1862.	1229. EMILE ALCAN, of Coleman Street Buildings, in the City of London, Merchant, for an invention for—"An improvement in or addition to carding-engines."— <i>A communication to him from abroad by Celestin Martin, of Pepinster, Belgium.</i> <i>Provisional protection only.</i>
CLARK. 26th April 1862.	1230. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in collars, wrist-bands and cuffs."— <i>A communication to him from abroad by Jules Hippolyte Jean Baptiste Delosme, of 29, Boulevard St. Martin, Paris, Merchant.</i> <i>Letters Patent sealed.</i>
CHEAVIN. 26th April 1862.	1231. SQUIER CHEAVIN, and GEORGE CHEAVIN (his son), both of Boston, in the County of Lincoln, for an invention for—"Improvements in filtering and purifying water, and in apparatus employed therein." <i>Letters Patent sealed.</i>
SPILSBURY. EMERSON. 26th April 1862.	1232. FRANCIS GYBBON SPILSBURY, and FREDERICK WILLIAM EMERSON, both of Stratford, in the County of Essex, Chemists, for an invention for—"Improvements in the treatment of fusel oil, and for various applications of the same to useful purposes." <i>Provisional protection only.</i>
BOYLE. WARWICK. 26th April 1862.	1233. ARTHUR BOYLE, of Birmingham, in the County of Warwick, Tool Maker, and THOMAS WARWICK, of Birmingham, aforesaid, Machinist, for an invention for—"New or improved machinery for manufacturing hair pins and cottar pins, a part of which machinery may also be used for cutting off and pointing wires for various purposes." <i>Letters Patent sealed.</i>
HART. 26th April 1862.	1234. HERBERT WILLIAM HART, of Higher Broughton, Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in the manufacture of reflectors and shades for gas and other lights." <i>Letters Patent sealed.</i>
BISCHOF. 26th April 1862.	1235. GUSTAV BISCHOF, junior, of Swansea, for an invention for—"Improvements in treating solutions containing copper and silver or either of them to obtain metallic copper and silver." <i>Letters Patent sealed.</i>
SMITH. 26th April 1862.	1236. GEORGE HEDGCOMBE SMITH, of North Perrott, in the County of Somerset, Twine and Web Manufacturer, for an invention for—"Improvements in the manufacture of crinoline or elastic hoops for dresses." <i>Provisional protection only.</i>
LESTER. 26th April 1862.	1237. AARON LESTER, of Coventry, in the County of Warwick, Draftsman and Designer, for an invention for—"Improvements in the manufacture of the fronts or uppers of slippers, shoes, boots and gaiters, and of mats, bags, fire-screens and various other articles which are usually made of ornamental or Berlin needlework." <i>Letters Patent sealed.</i>
NEWTON. 26th April 1862.	1238. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of hollow glass ware."— <i>A communication to him from abroad by James Seaman Atterbury, Thomas Bakewell Atterbury, and James Reddick, of Pittsburg, Alleghany, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 26th April 1862.	1239. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in lamps for burning coal oil and other hydro-carbons."— <i>A communication to him from abroad by Bradford Ripley Alden, of New York City, United States of America.</i> <i>Provisional protection only.</i>
GOODMAN. 28th April 1862.	1240. GEORGE BARRY GOODMAN, of No. 29, Baker Street, Portman Square, London, in the County of Middlesex, Auctioneer, for an invention for—"Improvements in machinery or apparatus for preventing accidents in or at mine shafts." <i>Provisional protection only.</i>
BURNIE. 28th April 1862.	1241. JOHN BURNIE, of Castle Douglass, in the County of Kirkcudbright, North Britain, Implement Maker, for an invention for—"Improvements in tobacco pipes." <i>Provisional protection only.</i>

- FLETCHER.
28th April 1862. 1242. JOHN FLETCHER, of Farnham Place, Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in the apparatuses for treating saccharine liquids." *Provisional protection only.*
- VAILE.
28th April 1862. 1243. ROBERT VAILE, of Auckland, New Zealand, for an invention for—"Improvements in propellers for ships and boats." *Letters Patent sealed.*
- GLIDDEN.
29th April 1862. 1244. WILLIAM TAYLOR GLIDDEN, of the State of Massachusetts, of the United States of America, for an invention for—"A new and useful mode of restoring phosphatic guano."—*A communication to him by Louis Harper, now residing at Brooklyn, in the State of New York.* *Complete specification; Letters Patent sealed.*
- SAMSON.
29th April 1862. 1245. GEORGE ROBERT SAMSON, of 8, Old Chapel Row, Kentish Town, in the County of Middlesex, for an invention for—"Improvements in valves or cylinders for wind musical instruments." *Letters Patent sealed.*
- WELLS.
29th April 1862. 1246. HENRY FOX WELLS, Engineer, of Woodland House, Prospect Row, Woolwich, in the County of Kent, for an invention for—"Improvements in screw clamps or cramps for joiners' and other work." *Letters Patent sealed.*
- CALEY.
29th April 1862. 1247. JOHN WILLIAM CALEY and FREDERICK GOODMAN CALEY, of the firm of Caley, Brothers, of New Windsor, in the County of Berks, Silk Mercers, for an invention for—"An improved textile fabric." *Letters Patent sealed.*
- GWYNNE.
29th April 1862. 1248. JAMES EGLINTON ANDERSON GWYNNE, of Essex Street Wharves, Strand, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of centrifugal pumps and in the application thereof, parts of which improvements are also applicable to other pumps." *Letters Patent sealed.*
- DIXON.
29th April 1862. 1249. RUFUS E. DIXON, of the City and State of New York, United States of America, for an invention for—"A smoker's pipe and tobacco pouch." *Provisional protection NOT granted.*
- NEWINGTON.
29th April 1862. 1250. SAMUEL WILMOTT NEWINGTON, of Goudhurst, in the County of Kent, Surgeon, for an invention for—"Improved apparatus for letting off and stopping the flow of liquids from casks and vessels, such apparatus forming a tap and substitute for the ordinary vent peg." *Letters Patent sealed.*
- CLARK.
29th April 1862. 1251. EDWIN CLARK, of 24, Great George Street, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in arches."—*A communication to him from abroad by Johann Fillunger, of Landstrasse, 355, Vienna, in the Empire of Austria.* *Letters Patent sealed.*
- CLARK.
29th April 1862. 1252. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved method of preserving animal and vegetable substances."—*A communication to him from abroad by Mr. Jules René Lion, of 29, Boulevard St. Martin, Paris.* *Letters Patent sealed.*
- ROSS.
29th April 1862. 1253. JOHN ROSS, of South Parade, Brompton, and of 53, Chancery Lane, both in the County of Middlesex, Millwright, for an invention for—"Improvements in grinding stones or surfaces for grinding grain and other substances."—*A communication to him from abroad by Charles Ross, of Stapleton, State of New York, United States of America.* *Letters Patent sealed.*
- BRIGHT.
29th April 1862. 1254. RICHARD BRIGHT, of Bruton Street, in the City of Westminster, Lamp Manufacturer, for an invention for—"Improvements in lamps and in apparatuses for lighting argand and other wicked lamps." *Provisional protection only.*
- CLIFF.
29th April 1862. 1255. JOHN CLIFF, of the Imperial Potteries, Lambeth, in the County of Surrey, Manufacturer, for an invention for—"Improvements in insulators for supporting telegraph wires." *Provisional protection only.*
- TIZARD.
29th April 1862. 1256. WILLIAM LITTELL TIZARD, of Mark Lane, in the City of London, Engineer, for an invention for—"Improvements in heating, cooling and condensing apparatuses." *Letters Patent sealed.*
- CHILDS.
29th April 1862. 1257. DAVID MONROE CHILDS, of No. 481, New Oxford Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in steam-engines."—*A communication to him from abroad by James Mills Ray, John Hooper Redstone, and Albert Ellis Redstone, of Indianapolis, in the State of Indiana, one of the United States of America.* *Letters Patent sealed.*

CHILDS.
29th April 1862.

1258. DAVID MONROE CHILDS, of No. 481, New Oxford Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in reaping and mowing machines."—*A communication to him from abroad by James Mills Ray, John Hooper Redstone, and Albert Ellis Redstone, of Indianapolis, in the State of Indiana, one of the United States of America.*
Letters Patent sealed.

CHILDS.
29th April 1862.

1259. DAVID MONROE CHILDS, of No. 481, New Oxford Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in the means of changing a rotary into a reciprocating and a reciprocating into a rotary movement in machinery."—*A communication to him from abroad by James Mills Ray, John Hooper Redstone, and Albert Ellis Redstone, of Indianapolis, in the State of Indiana, one of the United States of America.*
Letters Patent sealed.

WILSON.
29th April 1862.

1260. EDWARD BROWN WILSON, of Number 5, Parliament Street, Westminster, in the County of Middlesex, Engineer, for an invention for—"An improvement in the machinery or apparatus used in the manufacture of malleable iron and steel."
Letters Patent sealed.

NEWTON.
29th April 1862.

1261. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for picking, burring and cleaning wool and other fibrous substances."—*A communication to him from abroad by Calvin Luther Goddard, of New York City, United States of America.*
Letters Patent sealed.

NEWTON.
29th April 1862.

1262. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of mowing and reaping machines."—*A communication to him from abroad by Louis Adolphe Faure, of Rue St. Sebastien, Paris, in the Empire of France.*
Letters Patent sealed.

HENRY.
29th April 1862.

1263. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for aerating liquids and in fastenings for the said apparatus and for other articles."—*A communication to him from abroad by Etienne Sébastien Francois, of 33, Boulevard Saint Martin, Paris, France.*
Letters Patent sealed.

MOORE.
30th April 1862.

1264. EDWARD MOORE, of Tewkesbury, in the County of Gloucester, for an invention for—"Improvements in the manufacture of dress shirts and dresses."
Letters Patent sealed.

TRAVIS.
TRAVIS.
30th April 1862.

1265. ALFRED TRAVIS, Foreman, and BENJAMIN TRAVIS, Mechanic, both of Dukinfield, in the County of Chester, for an invention for—"Improvements in engines for carding cotton and other fibrous materials."
Letters Patent sealed.

MAHON.
30th April 1862.

1266. ARTHUR IRWIN MAHON, of 25, Leinster Square, Rathmines, in the County of Dublin, Engineer, for an invention for—"Improvements in projectiles."
Provisional protection only.

HARRINGTON.
PERKINS.
30th April 1862.

1267. JOHN HARRINGTON, of Birmingham, in the County of Warwick, Photographic Artist, and THOMAS PERKINS, of Birmingham, aforesaid, Lime Merchant, for an invention for—"An improvement or improvements in mounting photographic portraits for visiting cards and in mounting photographs in general."
Provisional protection only.

DAVIES.
30th April 1862.

1268. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved electric apparatus applicable to various useful purposes."—*A communication to him from abroad by Francois Ferdinand Auguste Achard of Paris, Engineer.*
Letters Patent sealed.

DAVIES.
30th April 1862.

1269. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of nails, screws and other analogous articles in malleable cast iron."—*A communication to him from abroad by Ernest Lambert, of Paris, Engineer.*
Letters Patent sealed.

MERCIER.
30th April 1862.

1270. ACHILLE TRANQUILLE MERCIER, of the Town of Louviers, in the Department of the Eure, in the Empire of France, Engineer, for an invention for—"Improvements in weaving-loom."
Provisional protection only.

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| <p>MAIDEN.
30th April 1862.</p> <p>LEIGH.
30th April 1862.</p> <p>PIATTI.
30th April 1862.</p> <p>HICKMAN.
30th April 1862.</p> <p>OXLEY.
30th April 1862.</p> <p>BIRKBECK.
30th April 1862.</p> <p>CARTER.
30th April 1862.</p> <p>PRINCE.
30th April 1862.</p> <p>STAUFEN.
30th April 1862.</p> <p>NORTON.
30th April 1862.</p> <p>NAPIER.
30th April 1862.</p> <p>FIELDEN.
30th April 1862.</p> <p>BROADWOOD.
30th April 1862.</p> <p>WILLIS.
30th April 1862.</p> <p>NEWTON.
30th April 1862.</p> | <p>1271. JAMES MAIDEN, of Waterloo, near Ashton-under-Lyne, in the County of Lancaster, Smith, for an invention for—"Improvements in safety lamps."
<i>Letters Patent sealed.</i></p> <p>1272. EVAN LEIGH, of the City of Manchester, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in the construction of ships and floating batteries, in mounting their guns, and in the application of steam power, parts of which improvements are also applicable to land batteries and forts."
<i>Provisional protection only.</i></p> <p>1273. THOMAS PIATTI, of 76, Rue St. Louis au Batignolles, in Paris, in the Empire of France, for an invention for—"Improvements in the the propulsion of ships and other vessels and in the means and apparatus employed for this purpose."
<i>Provisional protection only.</i></p> <p>1274. HENRY HICKMAN, of No. 2, Miller Place, Park Road, Dalston, London, Gentleman, for an invention for—"An improvement in the method of fastening ladies' crinoline skirts and other articles of wearing-apparel and elastic and other bands."
<i>Provisional protection only.</i></p> <p>1275. JAMES OXLEY, of Garden Street, Sheffield, in the County of York, Manufacturer, for an invention for—"Improvements in apparatus for cutting and chopping bread and other substances."
<i>Letters Patent sealed.</i></p> <p>1276. GEORGE HENRY BIRKBECK, of the Firm of Tongue and Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents and Engineers, for an invention for—"Improvements in the construction of couches or settees for the purpose of sitting, lying or reclining upon."—<i>A communication to him from abroad by Mr. Charles Henry Ferdinand Leroux, Merchant, of Paris, in the Empire of France.</i>
<i>Provisional protection only.</i></p> <p>1277. JOHN MONEY CARTER, of Monmouth, for an invention for—"Improvements in harness and the shafts of carriages."
<i>Letters Patent sealed.</i></p> <p>1278. ALEXANDER PRINCE, of the Office for Patents, No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"A new composition for casting to represent marble."—<i>A communication to him from abroad by Johann Philipp Weimar, Sculptor, resident at Berlin, in the Kingdom of Prussia.</i>
<i>Letters Patent sealed.</i></p> <p>1279. WERNER STAUFEN, of George Street, Portman Square, in the County of Middlesex, for an invention for—"A new material to be used in the manufacture of brushes, and also applicable to the purposes for which bristles, horse hair and human hair are now used."
<i>Letters Patent sealed.</i></p> <p>1280. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, for an invention for—"Improvements in apparatus for drying fibrous materials and yarns."
<i>Letters Patent sealed.</i></p> <p>1281. JAMES MURDOCH NAPIER, of the York Road, Lambeth, in the County of Surrey, for an invention for—"Improvements in machinery for manufacturing projectiles."
<i>Letters Patent sealed.</i></p> <p>1282. ALFRED HENRY FIELDEN, of No. 35, Castle Street, Holborn, in the City of London, Commercial Traveller, for an invention for—"Improvements in show jars, lamps, signals and lighthouses and other methods of illumination."
<i>Letters Patent sealed.</i></p> <p>1283. HENRY FOWLER BROADWOOD, of Great Pulteney Street, in the County of Middlesex, Pianoforte Maker, for an invention for—"Improvements in the construction of pianofortes."
<i>Letters Patent sealed.</i></p> <p>1284. HENRY WILLIS, of Albany Street, Regent's Park, in the County of Middlesex, Organ Builder, for an invention for—"Improvements in valves for the supply and discharge of gaseous bodies."
<i>Letters Patent sealed.</i></p> <p>1285. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in lamps."—<i>A communication to him from abroad by Samuel Holmes, of New York City, in the United States of America.</i>
<i>Letters Patent sealed.</i></p> |
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LOY. 30th April 1862.	1286. WILLIAM THOMAS LOY, of Rood Lane, in the City of London, for an invention for—"Improved machinery or apparatus for carding cotton and other fibrous substances of a similar character."— <i>A communication to him from abroad by Alphonse Rycx, the younger, of Rue de la Porte de Bruges, Ghent, Belgium.</i> <i>Letters Patent sealed.</i>
SWALLOW. ALLINSON. 1st May 1862.	1287. JAMES SWALLOW, of Heckmondwicke, in the County of York, Manufacturer, and JAMES ALLINSON, of the same place, Weaver, for an invention for—"Improvements in the manufacture of carpet fabric." <i>Letters Patent sealed.</i>
SMITH. BENNETTS. 1st May 1862.	1288. WILLIAM BICKFORD SMITH, of Camborne, in the County of Cornwall, Merchant, and WILLIAM BENNETTS, of Tucking Mill, in the County of Cornwall, Engineer, for an invention for—"Improvements in the method of and apparatus for preventing the injurious effects occasioned by smoke, sulphur, and the deleterious gases which escape from stacks, chimneys, calcining houses, chemical and other furnaces." <i>Provisional protection only.</i>
DOUCHAIN. 1st May 1862.	1289. CHARLES PIERRE ALEXANDRE DOUCHAIN, of St. Cloud, in the Empire of France, Engineer, for an invention for—"Improvements in apparatus for letting in or shutting off water or other liquids." <i>Letters Patent sealed.</i>
HOLMES. 1st May 1862.	1290. THOMAS HOLMES, of No. 15, Princes Terrace, St. Marks, Regent's Park, in the County of Middlesex, and of No. 22, John Street, Edgeware Road, in the same County, Bootmaker, for an invention for—"An improvement in the manufacture of military cartouches, portmonaies, courier bags, letter bags, knapsacks and other articles of a like nature." <i>Provisional protection only.</i>
HUNTINGTON. HUNTINGTON. 2nd May 1862.	1291. WILLIAM HUNTINGTON and THOMAS HUNTINGTON, of the Victoria Mills, Liverpool, in the County of Lancaster, Millers, for an invention for—"Improvements in the machinery for the manufacture of bread." <i>Letters Patent sealed.</i>
KOHN. 2nd May 1862.	1292. HERMANN KOHN, of 29, Unter den Linden, in the City of Berlin, in the Kingdom of Prussia, Merchant Tailor, for an invention for—"A new method of making any kind of stuffs, textures or fabrics waterproof." <i>Provisional protection only.</i>
BODDEN. MERCER. 2nd May 1862.	1293. WILLIAM BODDEN and WILLIAM MERCER, both of the Hargreaves Spindle Works, Oldham, in the County of Lancaster, for an invention for—"Improvements in certain parts of machinery for slubbing and roving cotton and other fibrous substances." <i>Letters Patent sealed.</i>
GRIFFITHS. 2nd May 1862.	1294. THOMAS FOXALL GRIFFITHS, of Birmingham, in the County of Warwick; Manufacturer, for an invention for—"An improvement or improvements in raising or shaping sheet iron." <i>Letters Patent sealed.</i>
WALKER. 2nd May 1862.	1295. ROBERT WALKER, of Glasgow, in the County of Lanark, North Britain, Distiller, for an invention for—"Improvements in malting and in apparatus therefor." <i>Letters Patent sealed.</i>
EVANS. 2nd May 1862.	1296. ORMROD COFFEEN EVANS, of 20, Church Street, Old Kent Road, in the County of Surrey, for an invention for—"A reversible attachment to a shaft or arbor for converting reciprocating rectilinear into rotary motion." <i>Provisional protection only.</i>
EVANS. 2nd May 1862.	1297. ORMROD COFFEEN EVANS, of 20, Church Street, Old Kent Road, in the County of Surrey, for an invention for—"An abdominal truss intended for the more perfect support and cure of hernia." <i>Provisional protection only.</i>
ASHWELL. 2nd May 1862.	1298. CHARLES ASHWELL, of Albany Road, Barnsbury Park, Islington, in the County of Middlesex, for an invention for—"An improved safety fastening applicable to the locks of doors." <i>Provisional protection only.</i>
BROOMAN. 2nd May 1862.	1299. RICHARD ARCHICALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for superheating steam."— <i>A communication to him from abroad by Pierre Antoine Delafond and Joseph Corrade, both of Marseilles, France.</i> <i>Letters Patent sealed.</i>
WHITWORTH. 2nd May 1862.	1300. CHARLES FREDERICK WHITWORTH, of Sowerby Bridge, in the County of York, Engineer, for an invention for—"Improvements in apparatuses for signalling upon railways." <i>Letters Patent sealed.</i>

PAUL. 2nd May 1862.	1301. MATTHEW PAUL, of Dumbarton, in the County of Dumbarton, North Britain, Engineer, for an invention for—"Improvements in windlasses and capstans or ships' winding apparatus." <i>Letters Patent sealed.</i>
GILL. 2nd May 1862.	1302. JAMES WALLER GILL, of Woolfardisworthy, Crediton, in the County of Devon, for an invention for—"Improved apparatus for turning up and pulverizing the soil of land for cultivation." <i>Provisional protection only.</i>
WELCH. 2nd May 1862.	1303. HENRY WELCH, of Millwall, in the County of Middlesex, Carpenter, for an invention for—"Improvements in securing or attaching armour plates on or to ships or vessels." <i>Provisional protection only.</i>
NEWTON. 2nd May 1862.	1304. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved electrical apparatus applicable to the lighting of gas."— <i>A communication to him from abroad by Robert Cornelius, of Philadelphia, United States of America.</i> <i>Letters Patent sealed.</i>
MOSSMAN. 3rd May 1862.	1305. WILLIAM MOSSMAN, of No. 1, Cleveland Terrace, Gloucester Road, in the Parish of Saint Mary, Islington, in the County of Middlesex, Manufacturing Stationer, for an invention for—"Improvements in the manufacture of bonnets, hats or coverings for the head." <i>Provisional protection only.</i>
BRIERLEY. 3rd May 1862.	1306. JOSEPH BRIERLEY, of Blackburn, in the County of Lancaster, Borough Surveyor, for an invention for—"Improvements in the construction of fire plugs or valves to be used in extinguishing fires or for other purposes where water is required to be drawn from mains under pressure." <i>Provisional protection only.</i>
JUHEL. 3rd May 1862.	1307. HENRI JUHEL, of Bordeaux, in the Empire of France, Ironmaster, for an invention for—"An improvement in wheels."— <i>A communication from Mr. Mathurin Rives, of No. 46, Rue Planterose, Bordeaux (Empire of France).</i> <i>Letters Patent sealed.</i>
TYLER. 3rd May 1862.	1308. JOSEPH TYLER, of 5, Kennington Place, Kennington Lane, in the County of Surrey, Professor of Music, for an invention for—"Improvements in the manufacture of clarionets." <i>Complete specification; Letters Patent sealed.</i>
ORMEROD. SCHIELE. 3rd May 1862.	1309. EDWARD ORMEROD, of Manchester, in the County of Lancaster, Engineer, and CHRISTIAN SCHIELE, of the same place, Engineer, for an invention for—"Improvements in machinery or apparatus for cutting or dressing stones, which are also applicable for hammering, crushing or otherwise reducing metals and other materials." <i>Letters Patent sealed.</i>
MOFFATT. 3rd May 1862.	1310. HENRY GEORGE MOFFATT, of Dalston, in the County of Middlesex, Designer, for an invention for—"An improved advertising medium." <i>Provisional protection only.</i>
HERDEVIN. JULLIEN. 3rd May 1862.	1311. JEAN MARIE HERDEVIN, and JOSEPH ALEXANDRE JULLIEN, Ingénieurs, 13, Rue Gaillon, Paris, France, for an invention for—"Improvements in sluice cocks." <i>Letters Patent sealed.</i>
SNOWDON. 3rd May 1862.	1312. THOMAS SNOWDON, of Stockton-on-Tees, in the County of Durham, Consulting Engineer, for an invention for—"Improvements in the manufacture of steel tyres, hoops and cylinders, and in furnaces employed therein and applicable to the melting of steel generally."— <i>A communication to him from abroad by Pierre Mourrier, of Bona, Algeria.</i> <i>Letters Patent sealed.</i>
HEPPEL. 3rd May 1862.	1313. JOHN MORTIMER HEPPEL, of 34, Great George Street, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of the permanent way of railways." <i>Provisional protection only.</i>
HERDMAN. 3rd May 1862.	1314. JOHN HERDMAN, of Belfast, in the County of Antrim, in Ireland, for an invention for—"Improvements in the manufacture of wrought iron, steel, or combined wrought iron and steel plates adapted for ship building and other purposes for which strength and lightness are required." <i>Letters Patent sealed.</i>
BLACK. 3rd May 1862.	1315. WILLIAM BLACK, of Wood Street, Northampton, in the County of Northampton, for an invention for—"Improvements in lottery and ballot-boxes." <i>Provisional protection only.</i>

NEALL.
3rd May 1862.

HENRY.
3rd May 1862.

FOWLER.
3rd May 1862.

MEROLLA.
3rd May 1862.

NEWTON.
3rd May 1862.

MELLODEW.
MELLODEW.
KESSELMAYER.
3rd May 1862.

SCHLICKEYSEN.
3rd May 1862.

HEYWORTH.
3rd May 1862.

LEFEBVRE.
3rd May 1862.

WILLIAMS.
5th May 1862.

PARKINSON.
NORMAN.
COTTAM.
5th May 1862.

PERREAUX.
5th May 1862.

ALLMAN.
5th May 1862.

WILSON.
5th May 1862.

BARNETT.
5th May 1862.

BRINDLEY.
5th May 1862.

BINKS.
5th May 1862.

1316. GEORGE NEALL, of Islington, in the County of Middlesex, for an invention for—"Improved apparatus for obtaining and applying motive-power, especially applicable to propelling carriages on common roads." *Provisional protection only.*

1317. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the process of and apparatus for preparing materials for the manufacture of paper, and in obtaining products from agents used in the said process, part of the invention being also applicable to apparatus for washing."—*A communication to him from abroad by Jean Baptiste Vasseur, and Xavier Lamotte, both of 33, Boulevard Saint Martin, Paris, France. Provisional protection only.*

1318. JOHN FOWLER, of Leeds, in the County of York, Engineer, for an invention for—"Improvements in engines for hauling agricultural implements." *Letters Patent sealed.*

1319. SALVATORE MEROLLA, of Largo Castello, No. 75, Naples, for an invention for—"Improvements in fire-arms." *Letters Patent sealed.*

1320. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved method of joining boxes."—*A communication to him from abroad by Wright Duryea, of New York City, United States of America. Letters Patent sealed.*

1321. JAMES MELLODEW and THOMAS MELLODEW, of Moorside Mills, Oldham, in the County of Lancaster, Manufacturers, and CHARLES WILLIAM KESSELMAYER, of Manchester, in the said County, Warehouseman, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*

1322. CHARLES SCHLICKEYSEN, of Berlin, in the Kingdom of Prussia, Machinist, for an invention for—"Improvements in machinery for moulding bricks, tiles, pipes and turf." *Letters Patent sealed.*

1323. JOHN HEYWORTH, of Shawforth, near Rochdale, in the County of Lancaster, Overlooker for Messrs. Todd and Lord, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*

1324. PIERRE VICTRICE FEFEBVRE, of 29, Boulevard St. Martin, Paris, Chemist, for an invention for—"Improvements in fountain pens." *Letters Patent sealed.*

1325. ALFRED WILLIAMS, of the Borough of New Windsor, in the County of Berks, Schoolmaster, for an invention for—"The construction of a backed form or seat capable of being converted into a level table with seat, or a desk either level or sloping or at any angle." *Letters Patent sealed.*

1326. THOMAS PARKINSON, of Blackburn, in the County of Lancaster, Brass-founder, JOHN NORMAN the younger, of the same place, Millwright, and RICHARD COTTAM, of the same place, Moulder, for an invention for—"Certain improvements in the construction of furnaces for steam boilers." *Provisional protection only.*

1327. LOUIS GUILLAUME PERREAUX, of Paris, in the Empire of France, Engineer, for an invention for—"Certain improvements in clocks, or machines for keeping time." *Letters Patent sealed.*

1328. HERBERT ALLMAN, of Bedford Row, in the County of Middlesex, Civil Engineer, for an invention for—"Certain improvements in the construction of locks." *Letters Patent sealed.*

1329. THOMAS WILSON, of Birmingham, in the County of Warwick, Engineer and Gun Manufacturer, for an invention for—"Improvements in the manufacture of armour plates for ships of war and batteries, and in fastening or securing armour plates to ships of war and batteries." *Letters Patent sealed.*

1330. SAMPSON BARNETT, of 23, Forston Street, Hoxton, in the County of Middlesex, Engineer, for an invention for—"Improvements in helmets for divers." *Provisional protection only.*

1331. THOMAS FRANCIS RICHARD BRINDLEY, of 2, Leonard Square, Finsbury, in the County of Middlesex, for an invention for—"Improvements in travelling and other flasks, decanters, bottles and other necked vessels." *Letters Patent sealed.*

1332. CHRISTOPHER BINKS, of Parliament Street, Westminster, for an invention for—"Improved methods of obtaining hydrogen gas and certain gaseous compounds of hydrogen and of carbon." *Provisional protection only.*

MARREL. 5th May 1862.	1333. FRANCOIS MARREL, of Marseille, France, Iron Master, for an invention for—"Improvements in forming wrought iron bars for the manufacture of armour plates and other articles of forged iron." <i>Complete specification ; Letters Patent sealed.</i>
VICTOR. POLGLASE. ROUNSEVELL. 5th May 1862.	1334. JOSEPH VICTOR, of Wadebridge, in the County of Cornwall, Hydraulic Engineer, JAMES POLGLASE, of Bodmin, in the said County, Mine Agent, and WILLIAM ROUNSEVELL, of St. Breock, near Wadebridge, aforesaid, Carpenter, for an invention for—"Improvements in the manufacture of safety fuses for mining and other purposes." <i>Letters Patent sealed.</i>
BURLEY. 5th May 1862.	1335. ROBERT BURLEY, of Glasgow, in the County of Lanark, North Britain, Carpenter, for an invention for—"Improved arrangements for using ordnance under water and in part applicable otherwise." <i>Letters Patent sealed.</i>
BUSHBY. 5th May 1862.	1336. ROBERT BUSHBY, of Little Hampton, in the County of Sussex, for an invention for—"An improved method of lifting or lightening ships for entering shallow harbours or docking and other purposes." <i>Provisional protection only.</i>
ROSCOE. 5th May 1862.	1337. JAMES ROSCOE, of Bell Lane, Leicester, for an invention for—"An improved lubricator for steam-engines." <i>Letters Patent sealed.</i>
SOURBÉ. 5th May 1862.	1338. PIERRE LÉON AUGUSTE THÉOPHILE SOURBÉ, of Condom, in the Empire of France, for an invention for—"An improved method of maturing spirits and wines." <i>Provisional protection only.</i>
WILSON. 5th May 1862.	1339. EDWARD BROWN WILSON, of No. 5, Parliament Street, Westminster, in the County of Middlesex, Engineer, for an invention for—"An improvement in the machinery or apparatus used in the manufacture of malleable iron and steel." <i>Letters Patent sealed.</i>
JOHNSON. 5th May 1862.	1340. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in steam generators."— <i>A communication to him from abroad by Joseph Harrison, of Philadelphia, in the United States of America, Engineer.</i> <i>Letters Patent sealed.</i>
ADCOCK. 5th May 1862.	1341. JOHN ADCOCK, of Marlborough Road, Dalston, in the County of Middlesex, Mechanician, for an invention for—"Improved apparatus for measuring and indicating distances travelled by wheel carriages." <i>Letters Patent sealed.</i>
COOKE. 5th May 1862.	1342. BENJAMIN COOKE, of Frathy House, Anthony, Devonport, in the County of Devon, Contractor's Agent, for an invention for—"An improved construction of implement for cutting turf." <i>Letters Patent sealed.</i>
CABOURG. 6th May 1862.	1343. THOMAS CABOURG, of 333, Rue St. Martin, Paris, Empire of France, Boot and Shoe Manufacturer, for an invention for—"Improvements in machines for the purpose of uniting together by means of screws leather used in the manufacture of boots and shoes and other articles composed of two or more pieces of leather." <i>Letters Patent sealed.</i>
MILLS. 6th May 1862.	1344. RICHARD MILLS, of Bury, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in washing, wringing, drying and mangling machines." <i>Letters Patent sealed.</i>
MOREL. 6th May 1862.	1345. AUGUSTIN MOREL, of the Town of Roubaix, in the Department of the Nord, in the Empire of France, Manufacturer, for an invention for—"Improvements in heckling-machines." <i>Letters Patent sealed.</i>
BORTHWICK. 6th May 1862.	1346. GEORGE BORTHWICK, of Bedford, near Leigh, in the County of Lancaster, Book-keeper, for an invention for—"Certain improvements in the construction of ships, boats and rafts." <i>Provisional protection only.</i>
CHENAILLIER. 6th May 1862.	1347. PAUL CHENAILLIER, of Paris, France, Gentleman, for an invention for—"Improvements in apparatus for concentrating liquids or for condensing alcoholic or other vapours." <i>Letters Patent sealed.</i>
CLARKE. RICHMOND. 6th May 1862.	1348. JOHN CLARKE, of Chilvers Coton, in the County of Warwick, School-Master, and JOHN RICHMOND, of Chilvers Coton, aforesaid, Ribbon Draughtsman, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>

RICHARD. RICHARD. 6th May 1862.	1349. WALTER RICHARD, and JOHN RICHARD, both of Edinburgh, Type Founders, for an invention for—"Improvements in the manufacture of printing types spaces and quadrats." <i>Letters Patent sealed.</i>
JOHNSON. 6th May 1862.	1350. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the manufacture and production of minium or red lead."— <i>A communication to him from abroad by Charles Louis Pierre Burton, of 45, Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
GREAVES. 6th May 1862.	1351. WILLIAM GREAVES, of 11, Portland Street, Poland Street, Soho, in the County of Middlesex, Saddle Tree Maker, for an invention for—"Improvements in safety stirrup bars." <i>Letters Patent sealed.</i>
JOHNSON. 6th May 1862.	1352. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the manufacture of soda and potash and of their carbonates."— <i>A communication to him from abroad by Charles Louis Pierre Burton, of 45, Rue St. Sébastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
CLARK. 6th May 1862.	1353. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved buckle or fastening."— <i>A communication to him from abroad by Jean Louis André, of 29, Boulevard St. Martin, Paris, Manufacturer.</i> <i>Letters Patent sealed.</i>
CLARK. 6th May 1862.	1354. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in cylinder printing apparatus."— <i>A communication to him from abroad by Messrs. Felix Marie Baudouin, Civil Engineer, and Henry Jérémie Christen, Engraver, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
RANSOME. COPPING. LANSDELL. 6th May 1862.	1355. JAMES EDWARD RANSOME, WILLIAM COPPING, and LAWSON LANSDELL, all of Ipswich, in the County of Suffolk, for an invention for—"Improvements in harrows." <i>Letters Patent sealed.</i>
NETHERSOLE. 7th May 1862.	1356. WILLIAM EDWARD NETHERSOLE, of the Town of Swansea, in the County of Glamorgan, District Carriage Superintendent of The Great Western Railway Company, for an invention for—"Improvements in parts of railway trucks and waggons, parts of which are applicable to railway carriages." <i>Provisional protection only.</i>
JUDSON. 7th May 1862.	1357. WILLIAM JUDSON, Counsellor at Law, of the City of New York, in the United States of America, for an invention for—"The use of caoutchouc or india-rubber for and its application to guns, mortars or other fire-arms to resist the force of the recoil and reaction in firing." <i>Provisional protection NOT granted.</i>
BOURDON. 7th May 1862.	1358. EUGÈNE BOURDON, of Paris, in the Empire of France, Mechanical Engineer, for an invention for—"Improvements in the construction of blowing fans, which improvements are also applicable to centrifugal pumps for raising water and other liquids or gases or for exhausting the same." <i>Letters Patent sealed.</i>
DE BERVILLE. 7th May 1862.	1359. CHARLES VICTOR FOURNIER DE BERVILLE, of No. 72, Rue Blanche, Paris, France, for an invention for—"An improved safety coupling bar for locomotives and other railway carriages." <i>Letters Patent sealed.</i>
COLOMB. 7th May 1862.	1360. PHILIP HOWARD COLOMB, of Her Majesty's Dockyard, Devonport, in the County of Devon, Lieutenant in the Royal Navy, for an invention for—"Improvements in arrangements and apparatus for signalling." <i>Letters Patent sealed.</i>
MARKLAND. 7th May 1862.	1361. THOMAS MARKLAND, of Hyde, in the County of Cheshire, Expansive Reed Maker, for an invention for—"Certain improvements in wearing-apparel." <i>Letters Patent sealed.</i>
HOPWOOD. 7th May 1862.	1362. THOMAS HENRY HOPWOOD, of Hulme, in the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in the means or apparatus to be employed for the purpose of raising sunken vessels or other submerged bodies, and also in the application of a self acting balance and regulator to the pontoons used therein." <i>Letters Patent sealed.</i>

- CLARK.
7th May 1862.
- WOOD.
STOCKLEY.
7th May 1862.
- JOHNSON.
CHAPMAN.
7th May 1862.
- BROOMAN.
7th May 1862.
- BROOMAN.
7th May 1862.
- COMBE.
7th May 1862.
- BOUSFIELD.
7th May 1862.
- HALEY.
7th May 1862.
- GOSSAGE.
7th May 1862.
- MARCHAL.
WIART.
7th May 1862.
- McCANN.
7th May 1862.
- HAY.
8th May 1862.
- GAULTON.
BOOTH.
8th May 1862.
- RIDDLE.
8th May 1862.
- BEARNE.
8th May 1862.
1363. CHARLES CLARK, of 361, City Road (E.C.), in the County of Middlesex, for an invention for—"An improved cigar tube." *Provisional protection only.*
1364. NICHOLAS WOOD, of Hetton Hall, in the County of Durham, Coal Owner, and JOSEPH STOCKLEY, of Newcastle-on-Tyne, in the County of Northumberland, Engineer, for an invention for—"Improvements in apparatus for grinding, smoothing and polishing plate glass." *Letters Patent sealed.*
1365. JEREMIAH JOHNSON, Cordwainer, and ARTHUR CHAPMAN, Gentleman, both of Leatherhead, in the County of Surrey, for an invention for—"Improvements in apparatus for preventing collisions on railways." *Letters Patent sealed.*
1366. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent for an invention for—"An improved box and apparatus for containing and igniting matches."—*A communication to him from abroad by Louis Leonard Poulain, of Presles, France.* *Provisional protection only.*
1367. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in swings."—*A communication to him from abroad by Joseph Ellicott Holmes, of New York, United States of America.* *Letters Patent sealed.*
1368. JOHN COMBE, of Leeds, in the County of York, Engineer, for an invention for—"An improved machine for spreading and drawing into slivers, flax, hemp, jute and other fibrous substances." *Letters Patent sealed.*
1369. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in applying steam power to tilling land by means of a digging locomotive."—*A communication to him from abroad by Elias Howe, junior, a person resident at Brooklyn, State of New York, United States of America.* *Letters Patent sealed.*
1370. JOSEPH HALEY, of Rochester Villa, Battersea, in the County of Surrey, Gentleman, for an invention for—"Improvements in armor plates for ships, boats and batteries." *Provisional protection only.*
1371. WILLIAM GOSSAGE, of Widnes, in the County of Lancaster, Chemist, for an invention for—"Certain improved apparatus to be used in the manufacture of soap." *Letters Patent sealed.*
1372. DÉSIRÉ MARCHAL and ADRIEN CARTON DE WIART, both of Brussels, in the Kingdom of Belgium, for an invention for—"An improved method of preventing the destructive effects of vibration or jar on the permanent way of railways, and on the wheels, axletrees and other parts of carriages, and the working and other parts of machinery liable to shocks." *Letters Patent sealed.*
1373. JOHN McCANN, of the City of Dublin, Gentleman, for an invention for—"Improvements in the mode of and apparatus for drying, cooling and cleaning grain." *Letters Patent sealed.*
1374. JOHN HAY, of Troon, in the County of Ayr, North Britain, Ship Builder, for an invention for—"Improved arrangements to facilitate the cleaning and repairing of ships' bottoms." *Provisional protection only.*
1375. WILLIAM PEEL GAULTON, Engineer, and MAJOR BOOTH, Calenderer, and Finisher, both of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in apparatus or machinery for damping and steaming fabrics, part of which improvements are applicable for distributing fluids for other purposes." *Provisional protection only.*
1376. WILLIAM RIDDLE, of Gerrard Street, in the Parish of Islington, in the County of Middlesex, for an invention for—"Improvements in hydraulic and other presses and apparatus used therewith adapted to packing cotton and other fibrous substances." *Letters Patent sealed.*
1377. ANDREW BEARNE, of 24, Union Street, Torquay, in the County of Devon, Boot Maker, for an invention for—"Improvements in the construction of boots, shoes and goloshes, rendering them elastic to pressure." *Provisional protection only.*

SOUTHWOOD. 8th May 1862.	1378. WILLIAM SOUTHWOOD, of Kensington, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for pulverizing ores and extracting metals therefrom, part of which is applicable to breaking stones." <i>Letters Patent sealed.</i>
FOWLER. KING. 8th May 1862.	1379. JOHN FOWLER, of Leeds, in the County of York, Engineer, and JOHN KING, of Chadshunt, Warwickshire, Farmer, for an invention for—"Improvements in apparatus for tilling land by steam power." <i>Letters Patent sealed.</i>
TATE. 8th May 1862.	1380. PETER TATE, of Park Terrace, South Street, Kennington, in the County of Surrey, Gentleman, for an invention for—"Improvements in smelting-furnaces."— <i>A communication to him from abroad by Wlademer Raschette, of the Mining Department, St. Petersburg, Russia, Major General.</i> <i>Letters Patent sealed.</i>
LUNGLEY. 8th May 1862.	1381. CHARLES LUNGLEY, of Deptford, in the County of Kent, Shipbuilder, for an invention for—"Improvements in apparatus for manœuvring ships and vessels." <i>Letters Patent sealed.</i>
GRIMES. 8th May 1862.	1382. GEORGE CHARLES GRIMES, of No. 8, Wandle Terrace, South Street, Wandsworth, in the County of Surrey, for an invention for—"Improvements in the manufacture of cigar lights, splints, matches and tapers or vestas, and in machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
PRICE. 8th May 1862.	1383. ASTLEY PASTON PRICE, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in straps or bands for securing articles, parcels or luggage." <i>Provisional protection only.</i>
KINDER. 8th May 1862.	1384. ARTHUR KINDER, of 30, Cannon Street, in the City of London, Engineer, for an invention for—"Improvements in the manufacture of sheet metal." <i>Provisional protection only.</i>
DE LA PEYROUSE. 8th May 1862.	1385. LEO DE LA PEYROUSE, of 13, Panton Square, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in treating neutral and acid fatty or oily substances, resins and resinous substances, and compounds or products containing paraffine." <i>Letters Patent sealed.</i>
THOMPSON. 8th May 1862.	1386. NATHANIEL THOMPSON, of Birmingham, in the County of Warwick, Merchant, for an invention for—"Improvements in barometers."— <i>A communication to him from abroad by Jedediah Hubbell Dorwin, of Montreal, in the Province of Canada.</i> <i>Provisional protection only.</i>
GREINER. SANDILANDS. 9th May 1862.	1387. GEORGE FREDERICK GREINER, and JAMES HENRY CARR SANDILANDS, of No. 1, Golden Square, in the County of Middlesex, Pianoforte Makers, for an invention for—"Improvements in the construction of pianofortes." <i>Letters Patent sealed.</i>
McILROY. 9th May 1862.	1388. THOMAS McILROY, of the Village of Brampton, in the County of Peel, Canada West, at present residing at 260, Oxford Street, in the County of Middlesex, for an invention for—"An improved invalid bedstead." <i>Provisional protection only.</i>
D'AUBREVILLE. 9th May 1862.	1389. LEOPOLD D'AUBREVILLE, of No. 60, Boulevard de Strasbourg, Paris, in the Empire of France, Civil Engineer, for an invention for—"Improvements in metallic cross sleepers for railways."— <i>A communication from Pierre Quantin, a person resident at Bordeaux, in the Empire of France.</i> <i>Letters Patent sealed.</i>
MACE. 9th May 1862.	1390. THOMAS KEMP MACE, of Birmingham, in the County of Warwick, Hatter, for an invention for—"Improvements in guards or protectors for hats and other coverings for the head." <i>Letters Patent sealed.</i>
EDDINGTON. 9th May 1862.	1391. WILLIAM EDDINGTON, junior, of Chelmsford, in the County of Essex, Engineer, being one of the people called Quakers, for an invention for—"Improvements in portable grinding chaff cutting and corn crushing machinery." <i>Provisional protection only.</i>
MAYALL. 9th May 1862.	1392. FRANCIS FREDERICK BURDETT MAYALL, of Warrington, in the County of Lancaster, Dyer, for an invention for—"Improvements in dyeing mixed or plain fabrics and yarns." <i>Provisional protection only.</i>

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| <p>BLAND.
9th May 1862.</p> <p>FAWCETT.
9th May 1862.</p> <p>OXLEY.
9th May 1862.</p> <p>WELTON.
9th May 1862.</p> <p>SYMONS.
9th May 1862.</p> <p>BOLTON.
9th May 1862.</p> <p>BOLTON.
9th May 1862.</p> <p>HASELER.
10th May 1862.</p> <p>WILLANS.
10th May 1862.</p> <p>MILWARD.
10th May 1862.</p> <p>CLARK.
10th May 1862.</p> <p>MOORE.
10th May 1862.</p> <p>MOORE.
10th May 1862.</p> <p>COOKE.
10th May 1862.</p> | <p>1393. JAMES FOX BLAND, of Dorset Square, in the County of Middlesex, Captain in H.M. 76th Regiment of Foot, for an invention for—"An improved method of and apparatus for signalling between targets and shooters."
<i>Provisional protection only.</i></p> <p>1394. THOMAS FAWCETT, junior, of Lisburn, in Ireland, for an invention for—"Improvements in plaited fabrics for shirt fronts and other uses, and in the mode of and mechanism for manufacturing the same."
<i>Letters Patent sealed.</i></p> <p>1395. JAMES OXLEY, of Frome, in the County of Somerset, Brewers' Engineer, for an invention for—"Improvements in apparatus for facilitating the processes of mashing and sparging in breweries and distilleries."
<i>Letters Patent sealed.</i></p> <p>1396. THOMAS WELTON, of No. 13, Grafton Street, Fitzroy Square, in the County of Middlesex, for an invention for—"Improvements in the preparation of beverages in connection with brewing."
<i>Provisional protection only.</i></p> <p>1397. NATHANIEL SYMONS, of No. 6, Cambridge Street, St. Pancras, Ironfounder, for an invention for—"Improvements of all kinds of wheels, framework, girders, columns and stanchions, blades of blowing fans, and paddle wheels for steam vessels."
<i>Provisional protection only.</i></p> <p>1398. FRANCIS JOHN BOLTON, of Bolton Row, Mayfair, in the County of Middlesex, Captain in Her Majesty's 12th Regiment of Foot, for an invention for—"Improvements in telegraphing for naval and military and other purposes, and in the apparatus connected therewith."
<i>Letters Patent sealed.</i></p> <p>1399. FRANCIS JOHN BOLTON, of Bolton Row, May Fair, in the County of Middlesex, Captain in Her Majesty's 12th Regiment of Foot, for an invention for—"An improved mode of and apparatus for displaying the lights in lighthouses."
<i>Letters Patent sealed.</i></p> <p>1400. GEORGE CARTER HASELER, of No. 19, Vittoria Street, Birmingham, in the County of Warwick, Manufacturing Jeweller, for an invention for—"Improvements in the manufacture of locket, and of a new application of parkesine as a substitute for glass in the construction of locket and other articles of jewellery."
<i>Letters Patent sealed.</i></p> <p>1401. JACOB GEOGHEGAN WILLANS, of 2, Clarence Place, Belfast, for an invention for—"Improvements in the treatment of the product from iron blast furnaces (whether moulded or otherwise) usually termed pig or cast iron or castings."
<i>Provisional protection only.</i></p> <p>1402. JOHN FREDERICK MILWARD, of Redditch, in the County of Worcester, Commission Merchant, for an invention for—"Improvements in breech-loading fire-arms."—<i>A communication to him from abroad by John Bisset, of New York, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>1403. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"The application of a vegetable fibre alone or in combination with other matters in the manufacture of felted and other fabrics, also as a substitute for flock or powdered wool, and as a material for padding or stuffing, and for other useful purposes."—<i>A communication to him from abroad by Mr. Jean Louis Abeilhou, of 29, Boulevard St. Martin, Paris, Priest.</i>
<i>Letters Patent sealed.</i></p> <p>1404. ROBERT MOORE, of Cannon Street West, in the City of London, Engineer, for an invention for—"Improved apparatus for indicating the presence, position, or accumulation of liquids, gases or vapors, and apparatus for preventing danger or damage consequent thereon."
<i>Letters Patent sealed.</i></p> <p>1405. ROBERT MOORE, of Cannon Street West, in the City of London, Engineer, for an invention for—"Improvements in the structure and appliances of ships and other vessels."
<i>Letters Patent sealed.</i></p> <p>1406. JOHN THOMAS COOKE, of the Borough of Leicester, Batten Maker, for an invention for—"Improvements in battens used in weaving."
<i>Letters Patent sealed.</i></p> |
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WILLOUGHBY. 10th May 1862.	1407. RICHARD WILLOUGHBY, of Mildmay Road, Islington, in the County of Middlesex, for an invention for—"Improved apparatus for exhibiting and giving rotatory and traversing motion to placards, advertisements, scenes and other objects." <i>Provisional protection only.</i>
TAYLOR. ROBINSON. 10th May 1862.	1408. HENRY DYSON TAYLOR, of the Firm of John Taylor and Sons, of Huddersfield, in the County of York, Manufacturers, and EDWARD ROBINSON, of the Firm of Robinson and Slater, of the same place, Manufacturing, Analytical and Consulting Chemists, for an invention for—"Improvements in piece-dyed woollen fabrics or fabrics composed of wool in combination with other fibrous substances." <i>Provisional protection only.</i>
HOUSE. 10th May 1862.	1409. JAMES HOUSE, of Market Lavington, in the County of Wilts, Engineer, for an invention for—"Improvements in machinery or apparatus for crushing or reducing substances." <i>Letters Patent sealed.</i>
RONALD. 10th May 1862.	1410. WILLIAM HENRY RONALD, of Montrose, in the County of Forfar, North Britain, China Merchant, for an invention for—"Improvements in apparatus for signalling and indicating the position of shots in rifle practice." <i>Provisional protection only.</i>
KOLBENHEYER. 10th May 1862.	1411. EMERICH KOLBENHEYER, of Vienna, Austria, for an invention for—"An improved apparatus for making ices and cold beverages." <i>Provisional protection only.</i>
CRISTOFINI. 10th May 1862.	1412. JEAN BAPTISTE CRISTOFINI, Officer in the French Army, of Paris, France, for an invention for—"Improvements in tents." <i>Letters Patent sealed.</i>
CLARK. 10th May 1862.	1413. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in lamps and in apparatus for filling lamps with oil or fluid to be consumed."— <i>A communication to him from abroad by Mr. Jacques Isidore Dézélu, Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
SAMBRIDGE. 10th May 1862.	1414. HENRY WILLIAM SAMBRIDGE, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in sliding chandeliers, gasaliers and other pendent lamps." <i>Letters Patent sealed.</i>
WALKER. 12th May 1862.	1415. HENRY WALKER, of Gresham Street, in the City of London, and of Alcester, in the County of Warwick, Needle Manufacturer, for an invention for—"Improvements in making handles for crochet needles, pencils, penholders and other articles." <i>Letters Patent sealed.</i>
MILNES. 12th May 1862.	1416. JOHN MILNES, of Gloucester, in the County of Gloucester, Contractor, for an invention for—"Improvements in portable apparatus for exercising the human body." <i>Letters Patent sealed.</i>
FUHRMANN. 12th May 1862.	1417. GUSTAVE FUHRMANN, of No. 15, Passages des Petites Ecuries, in the City of Paris, in the Empire of France, Merchant, for an invention for—"Improvements in melting and boring cast steel barrels applicable to fire-arms and pieces of ordnance."— <i>A communication from Frederick Lohmann, Manufacturer, of Witten, in Westphalia, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>
CLARK. 12th May 1862.	1418. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in smoke consuming fire grates."— <i>A communication to him from abroad by Mr. Louis Francois Rojare, of 29, Boulevard St. Martin, Paris, Banker.</i> <i>Provisional protection only.</i>
POPE. 12th May 1862.	1419. JOHN BUCKINGHAM POPE, of the West Riding and Haigh Moore Collieries, near Leeds, in the County of York, Coal Owner, for an invention for—"Improvements in apparatus for lowering and loading coals, minerals or other substances." <i>Letters Patent sealed.</i>
HARRIS. 12th May 1862.	1420. CHARLES JAMES HARRIS, of 20, King William Street, Charing Cross, in the County of Middlesex, Publisher, for an invention for—"Improvements in the manufacture of detector season or non-transferable tickets." <i>Provisional protection only.</i>

FIRMAN.
12th May 1862.

1421. HENRY STOCKTON FIRMAN, of No. 73, Great Suffolk Street, Southwark, in the County of Surrey, for an invention for—"Improvements in apparatus for washing and cleansing textile fabrics or raw materials, and for forcing fluids or moisture from the same."—*A communication to him from abroad by James Foster, of the City of Muscatine, in the State of Iowa, United States of America.* *Letters Patent sealed.*

JOHNSON.
12th May 1862.

1422. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in casting metals and in the moulds and cores employed therein."—*A communication to him from abroad by Joseph Harrison, of Philadelphia, in the United States of America, Engineer.* *Letters Patent sealed.*

BAYLEY.
NEWTON.
GREAVES.
12th May 1862.

1423. HENRY BAYLEY, Cotton Manufacturer, of Stalybridge, LEOPOLD NEWTON, Cotton Spinner, of Oldham, JOHN GREAVES, Manager, of Stalybridge, all in the County of Lancaster, for an invention for—"Improvements in machinery for turning, boring, cutting, shaping and reducing wood and other substances applicable for the manufacture of various articles." *Provisional protection only.*

CARTWRIGHT.
12th May 1862.

1424. HENRY CARTWRIGHT, of the Dean Broseley, in the County of Salop, Gentleman, for an invention for—"Improvements in propelling and steering screw steam vessels." *Letters Patent sealed.*

HUTCHINSON.
12th May 1862.

1425. WILLIAM NELSON HUTCHINSON, of Plymouth, in the County of Devon, Major General in Her Majesty's Army, for an invention for—"An improvement in screw propelled ships." *Letters Patent sealed.*

NEALE.
12th May 1862.

1426. CHARLES JAMES NEALE, of High Oakham, in the County of Nottingham, Gentleman, for an invention for—"Improvements in apparatuses for measuring and registering corn and other grain." *Letters Patent sealed.*

ASHWORTH.
12th May 1862.

1427. HANDEL ASHWORTH, of Hyde, in the County of Chester, Machine Agent, for an invention for—"Improvements in machinery for opening and carding cotton and other fibrous substances." *Letters Patent sealed.*

WILSON.
12th May 1862.

1428. JAMES LEONARD WILSON, of St. John Street, Smithfield, in the County of Middlesex, for an invention for—"Improvements in calendering woven fabrics and in the apparatus employed for this purpose." *Provisional protection only.*

FREELAND.
12th May 1862.

1429. ALEXANDER BANKIER FREELAND, of 4, Chatham Terrace, Palace Road, Upper Norwood, in the County of Surrey, for an invention for—"Improvements in the preparation or treatment of hops." *Letters Patent sealed.*

LANSKY.
12th May 1862.

1430. ERNST FERDINAND LANSKY, of Nottingham Street, Sheffield, in the County of York, Merchant's Clerk, for an invention for—"An improved mode of and apparatus for working railway carriage brakes." *Provisional protection only.*

BUCKNEY.
12th May 1862.

1431. THOMAS BUCKNEY, of Peckham Rye, in the County of Surrey, Gentleman, for an invention for—"Improvements in portable 'tell tale' time-keepers."—*A communication to him from abroad by Armand François Collin, residing at Paris, in the Empire of France.* *Letters Patent sealed.*

ARDREY.
BECKETT.
13th May 1862.

1432. SAMUEL BRADLEY ARDREY, of Birmingham, in the County of Warwick, Machinist, and SAMUEL BECKETT, of Oldham, in the County of Lancaster, Spindle Maker, for an invention for—"Improvements in machinery or apparatus for manufacturing spindles, part of which apparatus is also applicable to grinding and polishing other articles." *Letters Patent sealed.*

JOHNSON.
13th May 1862.

1433. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the mode of carrying out submerged and other engineering works."—*A communication to him from abroad by Francois Durand, of Paris, in the Empire of France, Engineer.* *Provisional protection only.*

GAVILLET.
GANDON.
13th May 1862.

1434. JEAN DANIEL GAVILLET, and JEAN PIERRE FELIX GANDON, of No. 26, Rue Leonie, Montmartre, in the City of Paris, the former Engineer, and the latter a Merchant, for an invention for—"Improvements in paddle wheels applied either for propelling steamboats or as prime movers." *Provisional protection only.*

LOPEZ. 13th May 1862.	1435. PIERRE MARTINEZ LOPEZ, of Paris, France, Gentleman, for an invention for—"Improvements in apparatus for sowing wheat or other grain or seeds." <i>Letters Patent sealed.</i>
SARDY. 13th May 1862.	1436. JOHN BEAUJOUR SARDY, of the City, County and State of New York, now residing in the City of London, Merchant and Ship Owner, for an invention for—"Improvements in the construction of ships of war and other vessels." <i>Provisional protection only.</i>
NEWTON. 13th May 1862.	1437. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in coffee pots and boilers for culinary purposes, part of which improvements are also applicable for generating steam."— <i>A communication to him from abroad by Edward Fielding Woodward, of Brooklyn, Kings County, State of New York, United States of America.</i> <i>Provisional protection only.</i>
WORMULL. 13th May 1862.	1438. ARTHUR WORMULL, of Old Fish Street, in the City of London, Surgical Instrument Maker, for an invention for—"Improvements in trepanning instruments." <i>Letters Patent sealed.</i>
BLAKE. 13th May 1862.	1439. GIDEON BLAKE, of Trowbridge, in the County of Wilts, Engineer, for an invention for—"Improvements in apparatus for warming apartments." <i>Letters Patent sealed.</i>
JOHNSON. 13th May 1862.	1440. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the purification of colza, rape and other oils."— <i>A communication to him from abroad by Charles Henri Michaud, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BOYD. 13th May 1862.	1441. ROBERT ANDREW BOYD, of 11, Duke Street, Southwark, in the County of Surrey, for an invention for—"Improvements in the manufacture of bacon." <i>Provisional protection only.</i>
SIVEWRIGHT. 13th May 1862.	1442. JAMES SIVEWRIGHT, of Ravenhead, St. Helen's, Lancashire, Plate Glass Manufacturer, for an invention for—"Improvements in the manufacture of polished plate glass." <i>Provisional protection only.</i>
CLARK. 13th May 1862.	1443. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for generating motion in fluids, applicable for raising and forcing water, propelling and otherwise in the distribution of motive-power."— <i>A communication to him from abroad by Henry Louis Felix Worms de Romilly, of 29, Boulevard St. Martin, Paris, Chemist.</i> <i>Letters Patent sealed.</i>
HARTICAN. 13th May 1862.	1444. WILLIAM HARTICAN, of Islingword Road, Brighton, in the County of Sussex, Boiler Maker, for an invention for—"Improvements in fire-escape apparatus." <i>Provisional protection only.</i>
BROOMAN. 13th May 1862.	1445. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved means or apparatus for shunting trains."— <i>A communication to him from abroad by Jean Antoine Lanzirotti and Paul Gemelli, both of Rue Ventadour, Paris, France.</i> <i>Provisional protection only.</i>
BROOMAN. 13th May 1862.	1446. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in louvre blinds or shutters."— <i>A communication to him from abroad by Claude Robardet, of Rue Malesherbes, Paris, France.</i> <i>Provisional protection only.</i>
SOUTHWOOD. 13th May 1862.	1447. WILLIAM SOUTHWOOD, of Kensington, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for manufacturing nails from either hot or cold bars of iron or other metal." <i>Letters Patent sealed.</i>
LATHAM. 13th May 1862.	1448. ROBERT MARSDEN LATHAM, of 71, Fleet Street, in the City of London, Secretary of the General Patent Company, Limited, for an invention for—"Improvements in steering-apparatus."— <i>A communication to him from abroad by David L. Allen, of the Province of New Brunswick, British North America.</i> <i>Letters Patent sealed.</i>

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| <p>HENRY.
13th May 1862.</p> | <p>1449. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improvement in or addition to gloves."—<i>A communication to him from abroad by Hugues Michel Cheilley, Philippine Antoinette Cheilley and Philippe Cheilley, all of 20, Rue de Grammont, Paris, France.</i>
<i>Provisional protection only.</i></p> |
| <p>PORTER.
14th May 1862.</p> | <p>1450. CHARLES TALBOT PORTER, of the City, County and State of New York, in the United States of America, now of 100, Fleet Street, in the City of London, Engineer, for an invention for—"Improvements in steam-engine indicators."—<i>A communication to him from abroad by Charles Richards, of the City of Hertford, in the State of Connecticut, in the United States of America.</i>
<i>Letters Patent sealed.</i></p> |
| <p>JOUBERT.
14th May 1862.</p> | <p>1451. HENRI CHARLES RENÉ JOUBERT, Upholsterer, of 18, Maddox Street, in the County of Middlesex, for an invention for—"Improvements in raising music chairs, stools or seats."
<i>Provisional protection only.</i></p> |
| <p>TOLHAUSEN.
14th May 1862.</p> | <p>1452. FREDERICK TOLHAUSEN, Civil Engineer and Patent Agent, of 17, Faubourg Montmartre, Paris, but now residing at No. 100, Fleet Street, in the City of London, E.C., for an invention for—"Improvements in the manufacture of velvets."—<i>A communication to him from abroad by Antoine, Denis, St. Etienne (Loire), France.</i>
<i>Provisional protection only.</i></p> |
| <p>BROOMAN.
14th May 1862.</p> | <p>1453. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved method and apparatus for the production of photographic and stereoscopic portraits and pictures."—<i>A communication to him from abroad by Leon Farrenc, of Rue St. Quentin, Paris, France.</i>
<i>Letters Patent sealed.</i></p> |
| <p>GIRDLESTONE.
14th May 1862.</p> | <p>1454. JOHN WARD GIRDLESTONE, of the Canada Works, Birkenhead, in the County of Chester, Civil Engineer, for an invention for—"Improvements in projectiles."
<i>Provisional protection only.</i></p> |
| <p>DEACON.
14th May 1862.</p> | <p>1455. HENRY DEACON, of Appleton House, Appleton, in the County of Lancaster, Alkali Manufacturer, for an invention for—"Improvements in the manufacture and production of certain colors and in the apparatus employed therein."
<i>Letters Patent sealed.</i></p> |
| <p>SMITH.
14th May 1862.</p> | <p>1456. ANDREW SMITH, of Mauchline, in the County of Ayr, North Britain, Gentleman, for an invention for—"Improvements in balances for weighing letters and other documents."
<i>Letters Patent sealed.</i></p> |
| <p>WHITTAKER.
CLARE.
14th May 1862.</p> | <p>1457. EDWIN WHITTAKER, Spinner and Manufacturer, and JEREMIAH CLARE, Carder, both of Hurst, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for preparing cotton or other fibrous materials to be spun."
<i>Letters Patent sealed.</i></p> |
| <p>DELVIGNE.
14th May 1862.</p> | <p>1458. HENRI GUSTAVE DELVIGNE, of 26, Rue St. Dominique, in the City of Paris, in the Empire of France, Gentleman, for an invention for—"Improvements in fire-arms."
<i>Provisional protection only.</i></p> |
| <p>SMITH.
14th May 1862.</p> | <p>1459. JOHN SMITH, senior, of Coven, near Wolverhampton, in the County of Stafford, for an invention for—"Improvements in thrashing-machines."
<i>Letters Patent sealed.</i></p> |
| <p>BRANT.
14th May 1862.</p> | <p>1460. JOHN CHARLES BRANT, of 62, Forston Street, City Road Basin, in the County of Middlesex, for an invention for—"Improvements in the construction of armour plated ships, and in cements or compositions for uniting iron to iron and for uniting other substances, which compositions may also be used for caulking and for coating ships' bottoms."
<i>Provisional protection only.</i></p> |
| <p>NICOLE.
14th May 1862.</p> | <p>1461. ADOLPHE NICOLE, of 14, Soho Square, in the County of Middlesex, Watch Maker, for an invention for—"Improvements in stop watches and time-keepers and in instruments for measuring accurately short intervals of time."
<i>Letters Patent sealed.</i></p> |
| <p>FLETCHER.
FULLER.
15th May 1862.</p> | <p>1462. JAMES FLETCHER and JOHN WILLIAM FULLER, both of the Firm of Messieurs William Collier and Company, of Salford, in the County of Lancaster, Engineers and Tool Makers, for an invention for—"Improvements in machinery for rolling, bending and planing metals."
<i>Provisional protection only.</i></p> |

LE MESURIER. 15th May 1862.	1463. THOMAS HENRY LE MESURIER, of Saint Peter's Port, in the Island of Guernsey, Master Plumber and Machinist, for an invention for—"Improvements in raising sunken vessels and other heavy bodies." <i>Provisional protection only.</i>
SANBORN. 15th May 1862.	1464. GEORGE HENRY SANBORN, of No. 100, Fleet Street, in the City of London, Gentleman, for an invention for—"Improvements in machinery for spinning."— <i>A communication to him from abroad by Isaac Rich, of the City of Boston, State of Massachusetts, United States of America. Provisional protection only.</i>
WALSHAM. WALSHAM. 15th May 1862.	1465. ROBERT WALSHAM, of Birmingham, in the County of Warwick, Stamper and Piercer, and JOSIAH WALSHAM, of Birmingham, aforesaid, Stamper and Piercer, for an invention for—"A new or improved sleeve tie or fastener." <i>Provisional protection only.</i>
JOUVIN. 15th May 1862.	1466. JEAN PIERRE JOUVIN, of Rochefort s Mer, in France, Chief Medical Officer of the Imperial Navy and Professor of Chemistry to the Naval School of Medicine at Rochefort, for an invention for—"An improved process for preserving iron plated and other vessels and metallic articles from oxidation and preventing ships' bottoms from fouling." <i>Letters Patent sealed.</i>
DICKER. 15th May 1862.	1467. JOHN DICKER, of Hendon, in the County of Middlesex, Supervisor of Mail Bag Apparatus, for an invention for—"Improvements in apparatus for the delivery of bags or parcels from railway trains in motion." <i>Letters Patent sealed.</i>
SISSONS. 15th May 1862.	1468. WILLIAM SISSONS, of the Firm of Sissons and White, of Kingston-upon-Hull, in the County of York, Manufacturer of Steam Pile-driving Machinery, for an invention for—"Improvements in machinery for driving piles by means of steam hammers." <i>Letters Patent sealed.</i>
BIRKBECK. 15th May 1862.	1469. GEORGE HENRY BIRKBECK, of the Firm of Tongue and Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents and Engineers, for an invention for—"Improvements in apparatus for consuming smoke."— <i>A communication to him from abroad by M. Etienne Deshurand, Ironfounder, and Madame Anais Lemercier, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
STONE. 15th May 1862.	1470. JOSIAH STONE, of High Street, Deptford, and of Dowgate Hill, London, for an invention for—"Improvements in Downton's ship bilge pumps and fire-engines." <i>Letters Patent sealed.</i>
WRIGHT. 15th May 1862.	1471. JAMES WRIGHT, of 42, Bridge Street, Blackfriars, City of London, Civil Engineer, for an invention for—"An improved rotative travelling crane."— <i>A communication to him from abroad by Messrs. Couvreur and Combe, of 333, Rue St. Martin, Paris, in the Empire of France.</i> <i>Provisional protection NOT granted.</i>
WRIGHT. 15th May 1862.	1472. JAMES WRIGHT, of 42, Bridge Street, Blackfriars, City of London, Civil Engineer, for an invention for—"Improvements in machinery for digging, excavating, and removing earth, gravel and such like substances."— <i>A communication to him from abroad by Messrs. Couvreur and Combe, of 333, Rue St. Martin, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
ATTWOOD. 15th May 1862.	1473. CHARLES ATTWOOD, of Tow Law Iron Works, in the County of Durham, Iron Master, for an invention for—"Improvements in the production or manufacture of steel and iron of a steely quality." <i>Letters Patent sealed.</i>
TRESS. 15th May 1862.	1474. COOPER TRESS, of the Firm of Tress and Company, Hat Manufacturers, of Blackfriars Road, in the County of Surrey, for an invention for—"Improvements in the manufacture of hats, helmets, bonnets or caps." <i>Letters Patent sealed.</i>
BAGGS. SIMPSON. 15th May 1862.	1475. ISHAM BAGGS, of Cambridge Terrace, in the County of Middlesex, Chemist and Engineer, and WILLIAM SIMPSON, of Tovil Upper Mills, Maidstone, in the County of Kent, Paper Maker, for an invention for—"Improvements in treating straw, spanish grass and other vegetable fibres, in preparing a bleaching agent for vegetable fibres, and in recovering and treating an alkali resulting from the treatment of the said fibres, and in apparatuses employed therein." <i>Letters Patent sealed.</i>
GIRARDET. 15th May 1862.	1476. CHARLES GIRARDET, of Vienna, in the Empire of Austria, but now residing at Cannon Street West, in the City of London, Manufacturer, for an invention for—"An improved construction of buckle." <i>Provisional protection only.</i>

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| <p>WATNEY.
15th May 1862.</p> <p>PARSONS.
16th May 1862.</p> <p>RAILTON.
RAILTON.
16th May 1862.</p> <p>HASELTINE.
16th May 1862.</p> <p>FENNER.
16th May 1862.</p> <p>LAMING.
16th May 1862.</p> <p>BINKS.
16th May 1862.</p> <p>LAMIABLE.
16th May 1862.</p> <p>THIRION.
16th May 1862.</p> <p>ANDERSON.
16th May 1862.</p> <p>LE SOUËF.
16th May 1862.</p> <p>DAVIES.
16th May 1862.</p> <p>PEBERDY.
16th May 1862.</p> <p>AMES.
16th May 1862.</p> <p>THOMPSON.
16th May 1862.</p> <p>STOCKEN.
16th May 1862.</p> | <p>1477. ALFRED WATNEY, of 55, Upper Berkeley Street, Portman Square, in the County of Middlesex, for an invention for—"Improvements in constructing ships, vessels and other structures intended to resist shot."
<i>Letters Patent sealed.</i></p> <p>1478. PERCIVAL MOSES PARSONS, of Blackheath, in the County of Kent, Civil Engineer, for an invention for—"Improvements in ordnance and other fire-arms, and in tools for rifling the same."
<i>Provisional protection only.</i></p> <p>1479. JOHN RAILTON, of Saint Paul's Foundry, Blackburn, in the County of Lancaster, and THOMAS RAILTON, of the same place, Mechanic, for an invention for "Improvements in warping machines."
<i>Provisional protection only.</i></p> <p>1480. GEORGE HASELTINE, of the International Patent Office, 100, Fleet Street, in the City of London, for an invention for—"Improvements in churns."—<i>A communication to him from abroad by Sidney Sweet, of Dansville, State of New York, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>1481. REST FENNER, of 7, Red Lion Court, Fleet Street, Envelope Maker, for an invention for—"Improved machinery for folding envelopes."
<i>Provisional protection only.</i></p> <p>1482. RICHARD LAMING, of 38, Priory Road, Kilburn, West Hampstead, in the County of Middlesex, for an invention for—"Improvements in constructing and using electric telegraphs."
<i>Letters Patent sealed.</i></p> <p>1483. CHRISTOPHER BINKS, of Parliament Street, Westminster, for an invention for—"Improved methods of and apparatus for treating linseed and other oils and fats."
<i>Provisional protection only.</i></p> <p>1484. AMAND ATHANASE LAMIABLE, of 2, Rue Ste. Appoline, Paris (France), and of 4, South Street, Finsbury, London, for an invention for—"Improvements in cementing cast and wrought iron to obtain cast-steel."
<i>Letters Patent sealed.</i></p> <p>1485. ALBERT LOUIS THIRION, of Aisch en Refail, in the Kingdom of Belgium, and 4, South Street, Finsbury, London, Gentleman, for an invention for—"Improvements in the construction of railway and other carriages."
<i>Letters Patent sealed.</i></p> <p>1486. FREDERICK BONAPARTE ANDERSON, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in watches and other time-keepers."
<i>Letters Patent sealed.</i></p> <p>1487. DUDLEY CHARLES LE SOUËF, of Twickenham, in the County of Middlesex, England, for an invention for—"Improvements in embossing metal-plates."—<i>A communication to him from abroad by Wenzel Seidau, of Vienna, in Austria.</i>
<i>Provisional protection only.</i></p> <p>1488. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of ribs for umbrellas and parasols, part of which is applicable to the hardening of strips of steel generally."—<i>A communication to him from abroad by Richard Augustus Stratton, Machinist, of Philadelphia, State of Pennsylvania, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>1489. SAMUEL PEBERDY, of the City of Philadelphia, State of Pennsylvania United States of America, for an invention for—"Improvements in apparatus for knitting ribbed fabrics."
<i>Provisional protection only.</i></p> <p>1490. NATHAN AMES, of Saugus, in the County of Essex, and State of Massachusetts, of the United States of America, for an invention for—"A new and useful self-feeding card-printing press."
<i>Complete specification; Letters Patent sealed.</i></p> <p>1491. NATHAN THOMPSON, of No. 15, Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in stoppers or covers suitable for closing bottles, jars and other similar vessels."
<i>Letters Patent sealed.</i></p> <p>1492. FREDERICK STOCKEN, of Halkin Street, Grosvenor Place, in the County of Middlesex, for an invention for—"Improvements in carriages."
<i>Letters Patent sealed.</i></p> |
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SHARPE. 16th May 1862.	1493. BENJAMIN SHARPE, of Hanwell Park, in the County of Middlesex, for an invention for—"Improvements in the construction of ships and vessels and in masts and spars for the same." <i>Letters Patent sealed.</i>
NEWTON. 16th May 1862.	1494. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery applicable to the cutting of leather and other like uses."— <i>A communication to him from abroad by Caleb Griffin, of Boston, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 16th May 1862.	1495. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery applicable to the cutting out of boot and shoe soles and kindred operations."— <i>A communication to him from abroad by Caleb Griffin, of Boston, United States of America.</i> <i>Letters Patent sealed.</i>
BINKS. 17th May 1862.	1496. CHRISTOPHER BINKS, of Parliament Street, Westminster, for an invention for—"Improved methods of obtaining oxygen and chlorine gases." <i>Provisional protection only.</i>
SIEVIER. 17th May 1862.	1497. ROBERT WILLIAM SIEVIER, of Guilford Street, Russell Square, in the County of Middlesex, for an invention for—"An improvement in rams for naval warfare." <i>Provisional protection only.</i>
DAVISON. JOHNSON. 17th May 1862.	1498. ROBERT DAVISON, of London Street, in the City of London, Civil Engineer, and THOMAS JOHNSON, of Bermondsey, in the County of Surrey, Engineer, for an invention for—"Improvements in machines for washing and cleansing casks." <i>Letters Patent sealed.</i>
TAILBOUIS. 17th May 1862.	1499. EDOUARD TAILBOUIS, Merchant, of 2, Rue Sainte Appoline, Paris, France, and of 4, South Street, Finsbury, London, for an invention for—"Improvements in rectilineal knitting-frames." <i>Provisional protection only.</i>
HOGG. 17th May 1862.	1500. JAMES HOGG, junior, of No. 4, Orleans Villas, Twickenham, in the County of Middlesex, for an invention for—"Improvements in book-covers." <i>Letters Patent sealed.</i>
BROADLEY. 17th May 1862.	1501. JAMES BROADLEY, of Saltaire, in the County of York, Overlooker to Messrs. Titus Salt, Sons & Co., of the same place, Spinners and Manufacturers, for an invention for—"Improvements in means or apparatus employed in weaving." <i>Letters Patent sealed.</i>
HILL. CADDICK. 17th May 1862.	1502. JAMES CHARLES HILL, of the Knoll, Abergavenny, Monmouthshire, Ironmaster, and DAVID CADDICK, of Ebbw Vale, Monmouthshire, Furnace Builder, for an invention for—"Improvements in puddling-furnaces." <i>Provisional protection only.</i>
NEEDHAM. 17th May 1862.	1503. JOSEPH NEEDHAM, of Piccadilly, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in sheathing or coating iron ships." <i>Provisional protection only.</i>
TESSIER. 17th May 1862.	1504. CHARLES HIPPOLYTE TESSIER, of Paris, in the French Empire, but at present residing in Thurloe Place, Brompton, in the County of Middlesex, Gentleman, for an invention for—"A new safety lock."— <i>A communication to him from abroad by Baptiste L'Hermitte, of Paris, in the French Empire, Locksmith.</i> <i>Provisional protection only.</i>
BRIDELL. 17th May 1862.	1505. EDMUND JOHN BRIDELL, of The Middle Temple, Barrister-at-Law, for an invention for—"Improvements in the manufacture of substances artificially colored, veined or mottled like marbles or other substances." <i>Complete specification; Letters Patent sealed.</i>
SICKLES. 17th May 1862.	1506. FREDERICK ELSWORTH SICKLES, of New York City, United States of America, but now residing at the Golden Cross Hotel, Strand, in the County of Middlesex, for an invention for—"An improved apparatus for steering vessels." <i>Letters Patent sealed.</i>
GORE. 17th May 1862.	1507. JOHN CHRISTOPHER GORE, of Jamaica Plain, in the County of Norfolk, State of Massachusetts, United States of America, for an invention for—"Improvements in belt shippers." <i>Letters Patent sealed.</i>

- WRIGHT.
19th May 1862.
1508. JAMES WRIGHT, of 42, Bridge Street, Blackfriars, City of London, Civil Engineer, for an invention for—"An improved method of sheathing iron or metal ships in order to protect them from the action of salt water, fouling, and other such like influences."
Letters Patent sealed.
- EASTWOOD.
19th May 1862.
1509. JAMES EASTWOOD, of Blackburn, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for removing and wringing hanks of thread or yarns, and all kinds of fabrics when saturated with liquid."
Letters Patent sealed and Specification filed by order.
- RAMSDEN.
19th May 1862.
1510. ROBERT RAMSDEN, the younger, of Kingsland Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery or apparatus for mashing malt."
Provisional protection only.
- MACDONALD.
19th May 1862.
1511. GEORGE MACDONALD, of Puttorghatta, Colgang, in the Province of Bengal, in the East Indies, for an invention for—"Improved apparatus for ginning cotton, and for cleaning and preparing fibrous substances, also applicable for cleaning or polishing metal or other substances."
Provisional protection only.
- KIRKMAN.
SWIFT.
19th May 1862.
1512. FELTON CHARLES KIRKMAN, of Crouchend, Hornsey, in the County of Middlesex, and RICHARD SWIFT, of Hounslow, in the County of Middlesex, Civil Engineers, for an invention for—"A new and improved joint for uniting or fixing posts and rails of bedsteads and other articles of furniture, posts and rails in fencing, in the construction of framework for conservatories, emigrants' and other portable houses."
Provisional protection only.
- PICKSTONE.
MELLODEW.
19th May 1862.
1513. WILLIAM PICKSTONE, of Radcliffe, and THOMAS MELLODEW, of Oldham, both in the County of Lancaster, for an invention for—"An improved fabric in the nature of a cord or corduroy."
Provisional protection only.
- LEE.
19th May 1862.
1514. JESSE LEE, of Church Gate, in the Borough of Leicester, Engineer, for an invention for—"Improvements in the construction of traction engines."
Provisional protection only.
- MORRIS.
WEARE.
MONCKTON.
19th May 1862.
1515. TIMOTHY MORRIS, ROBERT WEARE, and EDWARD HENRY CRADOCK MONCKTON, all of 4, Trafalgar Square, (Patent Office,) in the County of Middlesex, for an invention for—"Improvements in the means and apparatus for the protection of life and property by the agency of electricity."
Letters Patent sealed.
- MORRIS.
WEARE.
MONCKTON.
19th May 1862.
1516. TIMOTHY MORRIS, and ROBERT WEARE, both of Birmingham, in the County of Warwick, Electricians, and EDWARD HENRY CRADOCK MONCKTON, of Fineshade, in the County of Northampton, Esquire, for an invention for—"Improvements in obtaining and applying light and heat by electricity."
Letters Patent sealed.
- NEWTON.
19th May 1862.
1517. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for splitting leather."—*A communication to him from abroad by Joseph Andress Safford, of Boston, Massachusetts, United States of America.*
Letters Patent sealed.
- MENNONS.
20th May 1862.
1518. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"Improvements in certain descriptions of breech-loading fire-arms."—*A communication from Alem Rousseau, a person resident at St. Etienne (Loire), in France.*
Letters Patent sealed.
- MENNONS.
20th May 1862.
1519. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"Improvements in the method of and apparatus for applying screw power to the locomotion of railway trains on steep inclines."—*A communication from Guisepe Velini, a person resident at No. 20, Cours, Porta Vittoria, Milan, in the Kingdom of Italy.*
Letters Patent sealed.
- MENNONS.
20th May 1862.
1520. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"Improved processes for the conversion of amylaceous matters into saccharine and other useful products."—*A communication from Georges Serret, Paul Hamoir, and Achille Duquesne, persons resident in the Faubourg de Paris, Valenciennes, France.*
Provisional protection only.

NAYLOR. 20th May 1862.	1521. WILLIAM NAYLOR, of Queen's Road, Dalston, in the County of Middlesex, Engineer, for an invention for—"Improvements in forging metals and in power hammers employed therein." <i>Letters Patent sealed.</i>
TALLERMAN. TALLERMAN. 20th May 1862.	1522. REBECCA TALLERMAN and LEWIS ABRAHAM TALLERMAN, Merchant's Clerk, both of 131, Bishopsgate Street Without, for an invention for—"An improved method of protecting ladies' and children's boots and shoes." <i>Provisional protection only.</i>
TAYLOR. 20th May 1862.	1523. JAMES TAYLOR, of No. 13, Fenchurch Buildings, Fenchurch Street, in the City of London, in the County of Middlesex, for an invention for—"Improvements in abstracting heat from liquids and æriform fluids and in apparatus employed therein and for other purposes." <i>Letters patent sealed.</i>
CLARK. 20th May 1862.	1524. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in paddle and other hydraulic wheels."— <i>A communication to him from abroad by Mr. Auguste Chesneau, of 29, Boulevard St. Martin, Paris, Merchant.</i> <i>Provisional protection only.</i>
FEWTRELL. 20th May 1862.	1525. EDWARD FEWTRELL, of Birmingham, in the County of Warwick, Engine Fitter, for an invention for—"Improvements in the manufacture of metal tubes and in machinery to be employed for that purpose." <i>Letters Patent sealed.</i>
VOGL. 20th May 1862.	1526. MAURICE VOGL, of Sambrook Court, in the City of London, for an invention for—"Improved apparatus for protecting houses and other buildings from burglars." <i>Provisional protection only.</i>
KENNEDY. 20th May 1862.	1527. JOHN KENNEDY, of Whitehaven, in the County of Cumberland, Ship Builder, for an invention for—"Improvements in ship propellers." <i>Letters Patent sealed.</i>
PETRIE. 20th May 1862.	1528. WILLIAM PETRIE, of Charlton, in the County of Kent, Gentleman, for an invention for—"Improvements in vessels for boiling chemical products, as sulphuric acid, and in apparatus for indicating the degree of concentration and temperature of such products in the boiler, which apparatus is applicable to other pyrometric purposes." <i>Letters Patent sealed.</i>
BARLOW. 21st May 1862.	1529. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Improvements in presses for cotton and other substances."— <i>A communication to him from abroad by Isaac Mason, of Bombay, in the East Indies.</i> <i>Letters Patent sealed.</i>
HOPKINSON. 21st May 1862.	1530. JOHN HOPKINSON, Piano Forte Manufacturer, 235, Regent Street, London, for an invention for—"Improvements in piano-fortes and in the hammer rails of piano-fortes." <i>Provisional protection only.</i>
KENNEDY. 21st May 1862.	1531. JOHN KENNEDY, of Whitehaven, in the County of Cumberland, Ship Builder, for an invention for—"Improvements in plates for plating and for forming the outside skin of ships and vessels, and in protecting the same from fouling and oxidation." <i>Provisional protection only.</i>
BURNETT. 21st May 1862.	1532. WILLIAM HICKLING BURNETT, of Margaret Street, Cavendish Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the mode of working telegraphic lines, and in instruments and apparatus employed for telegraphic purposes." <i>Provisional protection only.</i>
LE BRUN VIRLOY. 21st May 1862.	1533. MACEDO ALEXANDRE LE BRUN VIRLOY, of Paris, Rue Pigalle, No. 9, Civil Engineer, France, for an invention for—"Improvements in drying and carbonizing wood, peat and other fuel." <i>Letters Patent sealed.</i>
BUSH. 21st May 1862.	1534. WILLIAM BUSH, of Tower Hill, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of ships and in shields or armour for ships and batteries." <i>Letters Patent sealed.</i>
GILES. 21st May 1862.	1535. ALFRED GILES, of 9, Adelphi Terrace, Strand, in the County of Middlesex, C.E., for an invention for—"Improvements in constructing floating breakwaters." <i>Letters Patent sealed.</i>
LEINS. 21st May 1862.	1536. LOUIS LEINS, of Bucklersbury, in the City of London, for an invention for—"Improvements in travelling-bags and apparatus used therewith." <i>Provisional protection only.</i>

MEYER. 21st May 1862.	1537. HERMANN CHRISTIAN MEYER, of Ashford Street, Hoxton, in the County of Middlesex, Engineer, for an invention for—"Improvements in the means of stopping or retarding railway and other carriages." <i>Provisional protection only.</i>
NEWTON. 21st May 1862.	1538. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of metallic or mineralized fabrics or surfaces."— <i>A communication to him from abroad by Charles Husson, of 45, Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
OXLEY. 22nd May 1862.	1539. JOHN OXLEY, of the King's Cross Wheel Works, Old St. Pancras Road, in the Parish of St. Pancras, N.W., Carriage Builder, for an invention for—"Improvements in making wheels and in the machinery to be employed therein." <i>Letters Patent sealed.</i>
SIEMENS. 22nd May 1862.	1540. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in electric telegraph apparatus."— <i>The result partly of a communication made to him from abroad by Dr. Werner Siemens, of Berlin, in the Kingdom of Prussia, and partly of an invention and discovery made by himself.</i> <i>Letters Patent sealed; no specification filed.</i>
PERRY. 22nd May 1862.	1541. JAMES HILLERT PERRY, of No. 72, Piccadilly, Saint James's, in the County of Middlesex, Gentleman, for an invention for—"An improved method of curing diseases of the human body by magnetism." <i>Letters Patent sealed.</i>
DE LA BASTIDA. 22nd May 1862.	1542. EUGENE DE LA BASTIDA, of 43, Hart Street, Bloomsbury Square, W.C., London, in the County of Middlesex, England, for an invention for—"A new process for the production of designs in relieve, and in deepening on sheets of india-rubber of any length whatever."— <i>A communication from abroad to him by Messrs. Albert Cohen and Charles Vaillant, of Harbourg on Elbe (Hanover), Manufacturers.</i> <i>Letters Patent sealed.</i>
CRAWFORD. 22nd May 1862.	1543. GEORGE CRAWFORD, of Beaumont Street, Portland Place, in the County of Middlesex, Pianoforte Manufacturer, for an invention for—"Improvements in musical instruments." <i>Letters Patent sealed.</i>
NEEDHAM. 22nd May 1862.	1544. JOSEPH NEEDHAM, of Piccadilly, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in breech loading fire-arms, and in cartridges for such fire-arms." <i>Letters Patent sealed.</i>
TURNBULL. TURNBULL. 22nd May 1862.	1545. SAMUEL TURNBULL, and FREDERICK TURNBULL, both of Holywell Mount, Shoreditch, in the County of Middlesex, Card Makers, for an invention for—"Improvements in the manufacture of floor cloths and like coverings." <i>Letters Patent sealed.</i>
KENNEDY. 22nd May 1862.	1546. JOHN KENNEDY, of Whitehaven, in the County of Cumberland, Ship Builder, for an invention for—"Improvements in protecting the sides and decks of ships from the effects of projectiles." <i>Provisional protection only.</i>
CHILDS. 22nd May 1862.	1547. AUGUSTUS BRYANT CHILDS, of 481, New Oxford Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in wringing-machines."— <i>A communication to him from abroad by Francis Adams Cushman, of Lebanon, New Hampshire, United States.</i> <i>Complete specification; Letters Patent sealed.</i>
HODGE. 22nd May 1862.	1548. PAUL RAPSEY HODGE, of Tokenhouse Yard, in the City of London, and County of Middlesex, Civil Engineer, for an invention for—"An improved dinner, supper, breakfast, or dessert plate." <i>Provisional protection only.</i>
BARLOW. 22nd May 1862.	1549. GEORGE BARLOW, of Birmingham, in the County of Warwick, Manager to the Executors of the late Frederick William Harrold, of Birmingham, aforesaid, Merchant, for an invention for—"A new or improved method of laying submarine telegraphic cables."— <i>A communication to him from abroad by Thomas Shaw, of Philadelphia, in the United States of America.</i> <i>Provisional protection only.</i>
COOK. 22nd May 1862.	1550. HENRY COOK, of Manchester, in the County of Lancaster, Gentleman, for an invention for—"Improvements in electric batteries."— <i>A communication to him from abroad by Professor Jean Minotto, of Turin, in the Kingdom of Italy.</i> <i>Letters Patent sealed.</i>

ROBERTS. GREENACRE. 22nd May 1862.	1551. WILLIAM ROBERTS and THOMAS GREENACRE, of Millwall, in the County of Middlesex, for an invention for—"Improvements in cocks or valves for steam or other fluids." <i>Letters Patent sealed.</i>
EVANS. 22nd May 1862.	1552. WILLIAM EVANS, of Commercial Road East, in the County of Middlesex, Master Mariner, for an invention for—"Improvements in obtaining motive-power by machinery." <i>Provisional protection only.</i>
GÖRANSSON. 22nd May 1862.	1553. GÖRAN FREDRIK GÖRANSSON, of Gefle, in the Kingdom of Sweden, Iron Master, for an invention for—"Improvements in the construction and arrangement of armour plates applicable to ships, forts, batteries and other structures, and to a mode of securing the same." <i>Provisional protection only.</i>
MCGREGOR. 23rd May 1862.	1554. PETER MCGREGOR, of the City of Manchester, Machine Maker, for an invention for—"Certain improvements in machinery for spinning and doubling cotton and other fibrous substances." <i>Letters Patent sealed.</i>
BLACKLIDGE. 23rd May 1862.	1555. ROBERT BLACKLIDGE, of Accrington, in the County of Lancaster, for an invention for—"Improvements in the preparation of materials for sizing, dressing or finishing warps, yarns, textile fabrics or paper and also for thickening colours." <i>Provisional protection only.</i>
DE BERGUE. 23rd May 1862.	1556. CHARLES DE BERGUE, of Strangeways Works, Manchester, in the County of Lancashire, Engineer, for an invention for—"Improvements in machinery or apparatus for the manufacture of metal reeds for weaving." <i>Provisional protection only.</i>
WILEY. 23rd May 1862.	1557. WILLIAM EDWARD WILEY, of Graham Street, Birmingham, in the County of Warwick, Gold Pen and Pencil Case Manufacturer, for an invention for—"Improvements in the manufacture of certain kinds of penholders, which improvements may also be applied to pencil-cases and holders for crayons and other solid writing or marking materials." <i>Letters Patent sealed.</i>
WEBSTER. 23rd May 1862.	1558. JAMES WEBSTER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in coating and indurating metals." <i>Letters Patent sealed.</i>
WARD. DEWICK. 23rd May 1862.	1559. JOSEPH WARD, of Radford, in the County of Nottingham, Machine Builder, and JOHN DEWICK, of New Lenton, in the said County of Nottingham, Mechanist, for an invention for—"Improvements in machinery or apparatus for the manufacture of textile or looped fabrics." <i>Letters Patent sealed.</i>
MOULINE. 23rd May 1862.	1560. EUGÈNE MOULINE, of Vals, in the Department of Ardèche, in the Empire of France, Silk Merchant, for an invention for—"Improvements in apparatus used in weaving." <i>Letters Patent sealed.</i>
MAW. 23rd May 1862.	1561. EDWIN MAW, of Leamington, in the county of Warwick, Engineer, for an invention for—"Improvements in constructing ships, vessels, forts and batteries." <i>Provisional protection only.</i>
SAMUELSON. 23rd May 1862.	1562. ALEXANDER SAMUELSON, of 28, Cornhill, in the City of London, Engineer and Iron Ship Builder, for an invention for—"Improvements in the working of hydrostatic presses and in the apparatus employed therein." <i>Letters Patent sealed.</i>
CLARK. 23rd May 1862.	1563. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"A new manufacture of socks and stockings."— <i>A communication to him from abroad by Mr. Jean Jacques Maurer, of 29, Boulevard St. Martin, Paris, Professor.</i> <i>Provisional protection only.</i>
LIVESEY. 26th May 1862.	1564. GEORGE THOMAS LIVESEY, of the South Metropolitan Gas Works, Old Kent Road, in the County of Surrey, for an invention for—"Improvements in purifying illuminating gas and in treating the products obtained in the various processes of purification." <i>Provisional protection only.</i>
HARRISON. PARKINSON. 26th May 1862.	1565. JOHN HARRISON, of the Firm of Messieurs J. Harrison and Sons, of Blackburn, in the County of Lancaster, Machine Makers, and ROBERT PARKINSON, of Blackburn, aforesaid, Tin Plate Worker, for an invention for—"Improvements in the manufacture of rollers for preparing, spinning, doubling, sizing, winding, warping and weaving." <i>Letters Patent sealed.</i>

- HARRISON.
HARRISON.
ODDIE.
PARKINSON.
26th May 1862.
- DE BERGUE.
26th May 1862.
- BRAKELL.
HOEHL.
GUNTHER.
26th May 1862.
- WALLS.
CROMPTON.
26th May 1862.
- TAYLOR.
26th May 1862.
- BRIERLEY.
SMEETON.
26th May 1862.
- CLARK.
26th May 1862.
- WORBY.
26th May 1862.
- DELPECH.
26th May 1862.
- LETCHFORD.
26th May 1862.
- HUDDART.
26th May 1862.
- HOLMES.
26th May 1862.
- HOLMES.
26th May 1862.
- HOLMES.
26th May 1862.
- SPARROW.
26th May 1862.
1566. WILLIAM HARRISON, and JOHN HARRISON, both of the Firm of Messieurs J. Harrison and Sons, of Blackburn, in the County of Lancaster, Machine Makers, and JOHN ODDIE and WILLIAM PARKINSON, Foremen in the employ of the above J. Harrison and Sons, for an invention for—"Certain improvements in machinery for winding, sizing and weaving."
Letters Patent sealed.
1567. CHARLES DE BERGUE, of Strangeways Works, Manchester, in the County of Lancashire, for an invention for—"Improvements in iron framing applicable to supporting coverings or surfaces intended to resist blows or pressure."
Provisional protection only.
1568. CHRISTOPHER BRAKELL, WILLIAM HOEHL, and WILLIAM GUNTHER, Engineers, all of "The North Moor Foundry Company," Oldham, in the County of Lancaster, for an invention for—"Improvements in steam and other motive-engines."
Provisional protection only.
1569. MARK WALLS, and JOHN CROMPTON, of Bolton, in the County of Lancaster, Engine Drivers, for an invention for—"Improvements in railway signals."
Letters Patent sealed.
1570. JACOB TAYLOR, of Oldham, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in machinery or apparatus for preparing cotton or other fibrous materials to be spun."
Letters Patent sealed.
1571. WALTER BRIERLEY, of Halifax, in the County of York, Patent Agent, and GEORGE FREDERICK SMEETON, of the same place, Ironmonger, for an invention for—"Improvements in apparatus connected with targets."
Provisional protection only.
1572. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of buttons and in the mode of fastening the same."—*A communication to him from abroad by Mr. Henry Dupont, of 29, Boulevard St. Martin, Paris, Waistcoat Maker.*
Provisional protection only.
1573. WILLIAM WORBY, of Ipswich, in the County of Suffolk, Engineer, for an invention for—"Improvements in reaping-machines."
Letters Patent sealed.
1574. JEAN ANDRÉ CÉCILE NESTOR DELPECH, of Castres, in the French Empire, Manufacturer of Engines and Machinery, for an invention for—"Improvements in pumps."
Letters Patent sealed.
1575. ROBERT MICHAEL LETCHFORD, of Three Colts Lane, Bethnal Green, in the County of Middlesex, Match Manufacturer, for an invention for—"An improvement in the manufacture of matches."
Provisional protection only.
1576. GEORGE AUGUSTUS HUDDART, of Brynkyr, in the County of Carnarvon, Gentleman, for an invention for—"Improved means for superheating steam."
Letters Patent sealed.
1577. JOSEPH EL LICOTT HOLMES, of New York City, United States of America, but now residing at South Parade, Chelsea, in the County of Middlesex, Civil and Mechanical Engineer, for an invention for—"Improvements in machinery for digging or cultivating land."
Provisional protection only.
1578. JOSEPH EL LICOTT HOLMES, of New York City, United States of America, but now residing at South Parade, Chelsea, in the County of Middlesex, Civil and Mechanical Engineer, for an invention for—"Improvements in machinery for digging or cultivating land."—*A communication to him from abroad by George Ramsey, of New York City, United States of America.*
Provisional protection only.
1579. JOSEPH EL LICOTT HOLMES, of New York City, United States of America, but now residing at South Parade, Chelsea, in the County of Middlesex, Civil and Mechanical Engineer, for an invention for—"Improvements in printing machinery."—*A communication to him from abroad by Frederic Otto Degener, of New York, United States of America.*
Provisional protection only.
1580. THOMAS DUTTON TEMPLER SPARROW, of Piccadilly, in the County of Middlesex, Brush Maker, for an invention for—"An arrangement or arrangements for shading street lights in order to protect or shade the eyes of riders and foot passengers from the dazzling effect of the flames of such lights."
Provisional protection only.

TUCK. 27th May 1862.	1581. EDMUND TUCK, Electro Silver Plater, 79A, Leadenhall Street, City, for an invention for—"Certain improvements in electrical manipulation applicable to submarine telegraphs." <i>Provisional protection only.</i>
DURAND. 27th May 1862.	1582. CHARLES AUGUSTE MATHIEU DURAND, of Teujard, in the District of St. André de Cubzac, in the Department of the Gironde, in the Empire of France, for an invention for—"A new kind of water-mill." <i>Provisional protection only.</i>
GEDGE. 27th May 1862.	1583. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of wire ropes or cables."— <i>A communication to him from abroad by Louis Charvet, of No. 15, Passage des Petites Ecuries, Paris, France, Rope Manufacturer.</i> <i>Provisional protection only.</i>
HALLIDAY. 27th May 1862.	1584. JOHN HALLIDAY, of the City of Manchester, in the County of Lancaster, Warehouseman, for an invention for—"Improvements in the manufacture of ornamental trimmings." <i>Provisional protection only.</i>
IRELAND. 27th May 1862.	1585. JONATHAN IRELAND, of the City of Manchester, in the County of Lancaster, Foundry Engineer, for an invention for—"Improvements in forming moulds for card cylinders." <i>Letters Patent sealed.</i>
CUNNINGHAM. 27th May 1862.	1586. HENRY DUNCAN PRESTON CUNNINGHAM, of Bury House, Alverstoke, in the County of Hants, Esquire, for an invention for—"Improvements in anchors." <i>Provisional protection only.</i>
CLARK. 27th May 1862.	1587. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in brakes for railroad carriages."— <i>A communication to him from abroad by Augustine Irel Ambler, Attorney at Law, Roseline Nancy Ambler, Wife of the said Augustine Irel Ambler, and Warrick Martin, Banker, all of the City and County of Milwaukee, in the State of Wisconsin, United States of America.</i> <i>Provisional protection only.</i>
TOLHAUSEN. 27th May 1862.	1588. FREDERICK TOLHAUSEN, Civil Engineer and Patent Agent, 17, Faubourg Montmartre, Paris, France, for an invention for—"A new or improved method of applying various mineral and organic substances to wire-gauze, metallic and asbestos tissues, for rendering said tissues available for ornamental and useful purposes."— <i>A communication from Edouard Heinhold, a person resident at No. 17, Faubourg Montmartre, aforesaid.</i> <i>Letters Patent sealed.</i>
SANBORN. 27th May 1862.	1589. GEORGE HENRY SANBORN, of Boston, Massachusetts, United States, now of 100, Fleet Street, in the City of London, Gentleman, for an invention for—"Improvements in revolving breech-loading fire-arms."— <i>A communication to him from abroad by George Gates, of Worcester, Massachusetts, United States.</i> <i>Provisional protection only.</i>
HAY. 27th May 1862.	1590. JOHN HAY, of Troon, in the County of Ayr, North Britain, Ship Builder, for an invention for—"Improvements in war ships, also applicable in part to floating and land batteries or forts, and in part to mercantile and other vessels." <i>Provisional protection only.</i>
DUFFUS. 27th May 1862.	1591. JOHN DUFFUS, of Cullen, in the County of Banff, North Britain, Cabinet Maker, for an invention for—"Improved apparatus for measuring piece goods or webs." <i>Letters Patent sealed.</i>
PALMER. 27th May 1862.	1592. WILLIAM PALMER, of the City and State of New York, United States of America, for an invention for—"Improvements in revolving fire-arms." <i>Letters Patent sealed.</i>
MOSS. 27th May 1862.	1593. DENNIS TOPHAM MOSS, of No. 16, Campden Terrace, Leeds, in the County of York, for an invention for—"Improvements in fastening horse shoes." <i>Provisional protection only.</i>
DAW. 27th May 1862.	1594. GEORGE HENRY DAW, of Threadneedle Street, in the City of London, Gun Maker, for an invention for—"Improvements in fire-arms." <i>Letters Patent sealed.</i>
HUDSON. 27th May 1862.	1595. CHARLES HODGE HUDSON, Merchant, of the City of Roxbury, in the County of Norfolk, in the State of Massachusetts, one of the United States of America, for an invention for—"Improvements in defensive armor." <i>Letters Patent sealed.</i>

EATON. 28th May 1862.	1596. HENRY EATON, of the City of Manchester, in the County of Lancaster, Smith & Wheelwright, for an invention for—"Improvements applicable to presses for baling purposes." <i>Letters Patent sealed.</i>
KIDD. 28th May 1862.	1597. JOHN HOWARD KIDD, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"An improved manufacture of compositions applicable for waterproofing fabrics, for coating and protecting various articles, and for various other purposes." <i>Letters Patent sealed.</i>
SIMPSON. 28th May 1862.	1598. JAMES SIMPSON, of Hulme, in the County of Lancaster, Pattern Maker and Frame Maker, for an invention for—"Improvements in machinery or apparatus for cutting or producing 'mouldings' upon surfaces of wood or other suitable material." <i>Letters Patent sealed.</i>
ROGERSON. 28th May 1862.	1599. JOHN ROGERSON, of Newcastle-upon-Tyne, in the County of Northumberland, for an invention for—"An iron floating dock to be used for the purpose of building and repairing ships, steamers, barges and floating vessels of all descriptions." <i>Provisional protection only.</i>
COHEN. 28th May 1862.	1600. CHARLES COHEN, of 18, Bury Street, London, Stick Manufacturer, for an invention for—"Improvements in walking, umbrella and other like sticks." <i>Letters Patent sealed.</i>
HARRISON. 28th May 1862.	1601. JAMES FORTESCUE HARRISON, of Cambridge Square, Hyde Park, in the County of Middlesex, Esquire, for an invention for—"Improvements in preserving the bottoms of ships from the attacks of barnacles and other incrustations." <i>Letters Patent sealed.</i>
MARTINDALE. 28th May 1862.	1602. RALPH MARTINDALE, of Birmingham, in the County of Warwick, Lamp Manufacturer, for an invention for—"Improvements in the manufacture of globes and glasses more particularly applicable to hydrocarbon and spirit lamps, and also in fastenings for securing the globes or glasses in those and other descriptions of lamps." <i>Letters Patents sealed.</i>
TURNER. 28th May 1862.	1603. THOMAS TURNER, of Redditch, in the County of Worcester, Needle Manufacturer, for an invention for—"Improvements in machinery for scouring and polishing knitting and other pins and needles." <i>Letters Patent sealed.</i>
SAUNDERS. MILES. 28th May 1862.	1604. HENRY SAUNDERS, and JOHN HENRY MILES, both of Birmingham, in the County of Warwick, Brass Founders, for an invention for—"Improvements in the manufacture of Venetian blinds and other window blinds, and in apparatus for raising and lowering the same." <i>Letters Patent sealed.</i>
HIRST. TAYLOR. 28th May 1862.	1605. JOHN HIRST, junior., of Dobcross, Saddleworth, and ENOCH OPENSHAW TAYLOR, of Marsden, near Huddersfield, both in the County of York, for an invention for—"Improvements in means or apparatus for evaporating water and other fluids and in economizing the use of steam." <i>Letters Patent sealed.</i>
BROOMAN. 28th May 1862.	1606. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in circular looms or machinery for the manufacture of looped or knitted fabrics."— <i>A communication to him from abroad by Charles Amédée de Laire de la Brosse, of 23, Boulevard de Strasbourg, Paris, France, and Emile Adrien Le Coeur, of 11, Rue Ecureuil, Rouen, France.</i> <i>Letters Patent sealed.</i>
JOHNSON. 28th May 1862.	1607. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the manufacture of tinned lead pipes and in the apparatus employed therein."— <i>A communication to him from abroad by Charles Felix Sebillé, of Paris, in the Empire of France, Manufacturer.</i> <i>Letters Patent sealed.</i>
BLACKMORE. LAMB. 28th May 1862.	1608. WILLIAM BLACKMORE, of Foynes, and HENRY LAMB, of Ennis, in the Counties of Limerick and Clare, for an invention for—"Improvements in burning lime stone and generating steam." <i>Letters Patent sealed.</i>
RANSOME. 28th May 1862.	1609. JAMES ALLEN RANSOME, of Ipswich, in the County of Suffolk, for an invention for—"Improvements in the manufacture of and in fastening railway chairs with wood trenails." <i>Letters Patent sealed.</i>

CRITCHLEY.
29th May 1862.

1610. JOHN CRITCHLEY, of the City of Manchester, Manager, in the employ of Messieurs H. O. Newbery and Company, Manufacturers, for an invention for—"An improved rib fastener for umbrellas and parasols."
Letters Patent sealed.

HIRST.
WOOD.
29th May 1862.

1611. JOHN HIRST, junior, of Dobcross, Saddleworth, and JOSEPH WOOD, of Birkby, Huddersfield, both in the County of York, for an invention for—"Improvements in stereoscopic apparatus."
Letters Patent sealed.

BOISSET.
ANTOGNINI.
29th May 1862.

1612. PIERRÉ BOISSET, and BERNARDO ANTOGNINI, both of New York, in the County and State of New York, in the United States of America, for an invention for—"Improvements in the manufacture of boots and shoes."
Letters Patent sealed.

BORTIUS.
29th May 1862.

1613. HENNING BORTIUS, of Great George Street, in the County of Middlesex, Civil Engineer, for an invention for—"A new mode of cooling (refrigerating) hot liquids and condensing steam."
Provisional protection only.

ASHTON.
29th May 1862.

1614. GEORGE ASHTON, of Heywood, in the County of Lancaster, and Mytholmroyd, in the County of York, Dyer, for an invention for—"Improvements in dyeing fibrous substances and in the means or apparatus employed for that purpose."
Letters Patent sealed.

LEE.
CRABTREE.
29th May 1862.

1615. JAMES DENBY LEE, and JAMES CRABTREE, of Shipley, near Bradford, in the County of York, Machine Makers, for an invention for—"Improvements in looms for weaving."
Provisional protection only.

PERKS.
29th May 1862.

1616. WILLIAM PERKS, the younger, of Birmingham, in the County of Warwick, Glass and Lead Merchant, for an invention for—"An improvement or improvements in metallic sash bars for windows, skylights, hothouses and other like purposes."
Letters Patent sealed.

ABEL.
29th May 1862.

1617. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for raising, propelling or exhausting air, water or other fluids or gases."—*A communication to him from abroad by Dr. Ignaz Heger, of Vienna, in the Empire of Austria.*
Letters Patent sealed.

GRIFFITHS.
29th May 1862.

1618. ROBERT GRIFFITHS, of 69, Mornington Road, Regent's Park, Engineer, for an invention for—"Improvements in marine propellers for ships and boats, and for the sheathing of iron ships with metal sheathing to keep them from fouling."
Letters Patent sealed.

PATERSON.
29th May 1862.

1619. JOHN PATERSON, of Wood Street, in the City of London, Warehouseman, for an invention for—"An improved hemmer or instrument for turning over the edges of a binding or strip of linen or other material and preparing it for stitching in sewing-machines."
Letters Patent sealed.

CLARK.
29th May 1862.

1620. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved method of throwing the shuttles of looms."—*A communication to him from abroad by Jean Henry Cazal, of 29, Boulevard St. Martin, Paris, Civil Engineer.*
Letters Patent sealed.

LAWTON.
WHITWORTH.
29th May 1862.

1621. NATHANIEL LAWTON, Machine Maker, and ROBERT PLATT WHITWORTH, Foreman, both of Stalybridge, in the County of Chester, for an invention for—"Improvements in engines for carding cotton and other fibrous materials."
Letters Patent sealed.

MINTON.
29th May 1862.

1622. SAMUEL MINTON, of Woodlands Grove, Isleworth, in the County of Middlesex, Engineer, for an invention for—"An improved construction of revolving battery."
Provisional protection only.

FOOTMAN.
30th May 1862.

1623. WILLIAM FOOTMAN, of No. 5, Great Queen Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the treatment and use of sewage and liquid manures, and in reservoirs and pipes to be used therein."
Provisional protection only.

DATICHY.
SABATIER.
30th May 1862.

1624. FLORIMOND DATICHY, and EUGENE SABATIER, of Mortimer Street, Cavendish Square, London, for an invention for—"Improved machinery and process for making pulp for the manufacture of paper and other purposes."
Letters Patent sealed.

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| <p>PAYRAS.
30th May 1862.</p> <p>GURRIN.
30th May 1862.</p> <p>NICHOLSON.
30th May 1862.</p> <p>LÉON.
30th May 1862.</p> <p>MORRISON.
30th May 1862.</p> <p>STAUNTON.
30th May 1862.</p> <p>BURT.
30th May 1862.</p> <p>STEED.
30th May 1862.</p> <p>PENGELLY.
BYRON.
30th May 1862.</p> <p>EDDINGTON.
30th May 1862.</p> <p>LOFFT.
30th May 1862.</p> <p>IVES.
30th May 1862.</p> <p>GILBEY.
31st May 1862.</p> <p>HOLLAND.
31st May 1862.</p> <p>ERMEN.
SMITH.
31st May 1862.</p> <p>SMALLWOOD.
WRIGHT.
31st May 1862.</p> | <p>1625. PHILIPPE URBAIN PAYRAS, of No. 15, Passage des Petites Écuries, in the City of Paris, in the Empire of France, Commission Agent, for an invention for—"Improvements in protecting dry or green hides from vermin."
<i>Letters Patent sealed.</i></p> <p>1626. JAMES GURRIN, of Stroud, Gloucestershire, Woollen Merchant, for an invention for—"A new mode of telegraphing communication between separate buildings or parts of buildings."
<i>Provisional protection only.</i></p> <p>1627. RICHARD NICHOLSON, of Copt Hewick, Ripon, in the county of York, Machine Maker, for an invention for—"Improvements in the construction of lawn mowing-machines."
<i>Provisional protection only.</i></p> <p>1628. ISOPY LÉON, of 2, Rue St. Appoline, Paris, France, & of 4, South Street, Finsbury, London, a Horse-breaker, for an invention for—"An improved curb or rein for enabling riders or drivers to stop restive or runaway horses."
<i>Provisional protection only.</i></p> <p>1629. JOHN MORRISON, of Birmingham, in the County of Warwick, Engineer and Machinist, for an invention for—"Improvements in the construction of springs suitable for ladies' dresses or crinolines, and for chair, sofa and other seatings, as well as for bedstead and couch sackings."
<i>Provisional protection only.</i></p> <p>1630. CHARLES OCTAVIUS STAUNTON, of Paulton Square, Chelsea, in the County of Middlesex, Sergeant in the Queen's Westminster Rifle Volunteers, for an invention for—"Improvements in apparatus for signalling and indicating the position of shots on targets in rifle practice, and for preventing accidents to the markers."
<i>Provisional protection only.</i></p> <p>1631. HENRY POTTER BURT, of Charlotte Row, Mansion House, in the City of London, for an invention for—"Improvements in protecting wooden posts from decay, more particularly applicable to posts for supporting electric telegraph wires."
<i>Letters Patent sealed.</i></p> <p>1632. ROBERT CHURCHYARD STEED, of Aylesford Street, St. George's Square, Pimlico, in the County of Middlesex, Gentleman, for an invention for—"Improved apparatus for signalling on railways."
<i>Provisional protection only.</i></p> <p>1633. THOMAS NATHANIEL PENGELLY, and WILLIAM BYRON, both of Charlotte Street, Whitechapel, in the County of Middlesex, Engineers, for an invention for—"Improvements in apparatus for hoisting goods."
<i>Provisional protection only.</i></p> <p>1634. WILLIAM EDDINGTON, junior, of Chelmsford, in the County of Essex, Engineer, for an invention for—"Improvements in apparatus for draining and tilling land."
<i>Letters Patent sealed.</i></p> <p>1635. ROBERT EMLYN LOFFT, of Troston, Bury St. Edmunds, in the County of Suffolk, Gentleman, for an invention for—"Improvements in small fire-arms and cartridges."
<i>Provisional protection only.</i></p> <p>1636. JULIUS IVES, of New York City, United States of America, Merchant, but now residing at Bow, in the County of Middlesex, for an invention for—"Improved machinery for washing and wringing clothes or fabrics."
<i>Letters Patent sealed.</i></p> <p>1637. ALFRED GILBEY, of Oxford Street, London, in the County of Middlesex, Wine Merchant, for an invention for—"Improvements in the construction of packing-cases or boxes for holding bottles either full or empty."
<i>Letters Patent sealed.</i></p> <p>1638. JOHN HENRY HOLLAND, of Lorrimore Road, in the County of Surrey, for an invention for—"An improvement in traction engines."
<i>Provisional protection only.</i></p> <p>1639. GODFREY ERMEN, Thread Manufacturer, and ROBERT SMITH, Machinist, both of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in machinery for spooling and balling sewing thread, silk yarn and other like fibrous materials."
<i>Letters Patent sealed.</i></p> <p>1640. WILLIAM THOMAS SMALLWOOD, of Narrow Street, Limehouse, and WILLIAM WRIGHT, of Dean's Buildings, West India Dock Road, both in the County of Middlesex, for an invention for—"Improvements in water-closets."
<i>Letters Patent sealed.</i></p> |
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MOREAU. RAGON. 31st May 1862.	1841. ALEXIS MOREAU, and ADOLPHE ERNEST RAGON, both of Bernard Street, Russell Square, in the County of Middlesex, for an invention for—"Improvements in electro-magnetic machines or apparatus." <i>Letters Patent sealed.</i>
DE VEYE. 31st May 1862.	1842. THEODORE VICOMTE DE VEYE, of No. 15, Passage des Petites Ecuries, in the City of Paris, in the Empire of France, for an invention for—"A coating intended to protect iron from rust and to preserve wood, cloth, paper and pasteboard used for packing or roofing." <i>Provisional protection only.</i>
SHORTREDE. 31st May 1862.	1843. ROBERT SHORTREDE, of Brighton, in the County of Sussex, Major General in Her Majesty's Indian Army, for an invention for—"Improvements in presses for pressing cotton and other articles." <i>Letters Patent sealed.</i>
LAMB. 31st May 1862.	1844. DAVID ALEXANDER LAMB, of Berwick-upon-Tweed, for an invention for—"Improvements in railway buffers or apparatus to relieve concussions on railways." <i>Provisional protection only.</i>
WATSON. MILLBOURN. 31st May 1862.	1845. HENRY WATSON, of Newcastle-upon-Tyne, Engineer, and JOSEPH MILLBOURN, of Dartford, in the County of Kent, Paper Manufacturer, for an invention for—"Improvements in pulp strainers or knotter bottoms." <i>Letters Patent sealed.</i>
BETTELEY. 31st May 1862.	1846. JOSEPH BETTELEY, of Liverpool, in the County of Lancaster, Iron Merchant, for an invention for—"Improvements in ship building and in rendering ships shot proof." <i>Complete specification; Letters Patent sealed.</i>
VILLA. 31st May 1862.	1847. IGNAZIO VILLA, residing at No. 12, Denmark Street, Soho, for an invention for—"A new and improved method of exhibiting terrestrial and astronomical phenomena and of facilitating the solution of problems relating thereto, without the aid of calculation." <i>Provisional protection only.</i>
LAWDEN. 31st May 1862.	1848. THOMAS TIPPING LAWDEN, Co-partner with Caleb Lawden, trading under the style or firm of Tipping & Lawden, Gun Manufacturers, of Birmingham, in the County of Warwick, for an invention for—"Improvements in certain descriptions of single and double barrelled guns." <i>Letters Patent sealed.</i>
LINGHAM. NICKLIN. 31st May 1862.	1849. GEORGE CALLEY LINGHAM, and JOSEPH NICKLIN, trading under the style or firm of Charles Rowley & Co., Button Manufacturers, Stampers and Piercers, of Birmingham, in the County of Warwick, for an invention for—"An improved crinoline connector and suspender." <i>Provisional protection only.</i>
CHAUBART. 31st May 1862.	1850. LÉOPOLD CHAUBART, of Moissac, France, but temporarily of Great Tower Street, City London, Gentleman, for an invention for—"An improved mode of and apparatus for raising the level of water in rivers, canals and other watercourses." <i>Letters Patent sealed.</i>
NEWTON. 31st May 1862.	1851. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the treatment of cloth and other textures, leather or animal tissues for the purpose of rendering them more durable and impermeable to water and other fluids, and for producing from any firm fibrous texture such as cloth, cotton, woollen or mixed goods, a durable artificial leather."— <i>A communication to him from abroad by William Elmer, of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
SULLIVAN. 31st May 1862.	1852. WILLIAM KIRBY SULLIVAN, of Upper Leeson Street, in the Township of Rathmines, County of Dublin, for an invention for—"Improvements in the preservation of stone, plaster, cement and other like matters, the invention being likewise applicable to the manufacture of artificial stone and to the fixation and production of colours on and in the body of stone, plaster or cement." <i>Provisional protection only.</i>
NEWTON. 31st May 1862.	1853. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction and operation of shot proof gun towers, and the working of the guns therein for sea vessels, floating harbour defences, forts or land fortifications."— <i>A communication to him from abroad by James Eads, of St. Louis, State of Missouri, United States of America.</i> <i>Letters Patent sealed.</i>
TEMPLAR. 2nd June 1862.	1854. BENJAMIN TEMPLAR, of the City of Manchester, School Master, for an invention for—"Improvements in apparatus for registering and indicating billiards and other games." <i>Letters Patent sealed.</i>

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| <p>KING.
PARTINGTON.
2nd June 1862.</p> <p>ELCE.
GRADWELL.
2nd June 1862.</p> <p>SAX.
2nd June 1862.</p> <p>CAMPBELL.
2nd June 1862.</p> <p>ROECKNER.
2nd June 1862.</p> <p>BAKER.
2nd June 1862.</p> <p>KEY.
POTTS.
2nd June 1862.</p> <p>GRAY.
2nd June 1862.</p> <p>WHITWORTH.
2nd June 1862.</p> <p>NEWTON.
2nd June 1862.</p> <p>LLOYD.
2nd June 1862.</p> <p>NEWTON.
2nd June 1862.</p> <p>MARSON.
2nd June 1862.</p> <p>GEBHARDT.
2nd June 1862.</p> | <p>1655. JAMES KING, of Moss Mill, Rochdale, in the County of Lancaster, Cotton Spinner, and JOHN PARTINGTON, of the same place, Overlooker, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i></p> <p>1656. JOHN ELCE, of the City of Manchester, Machine Maker, and WILLIAM JAMES GRADWELL, of the same place, Mechanic, for an invention for—"Certain improvements in machinery for spinning, doubling and winding cotton and other fibrous substances." <i>Provisional protection only.</i></p> <p>1657. ANTOINE JOSEPH SAX, trading under the Firm of Adolphe Sax, of Paris, France, Musical Instrument Maker, for an invention for—"Improvements in kettle, big or other drums." <i>Letters Patent sealed.</i></p> <p>1658. THOMAS CAMPBELL, of Leeds, in the County of York, Machinist, for an invention for—"Improvements in apparatus for 'witneying' piled fabrics." <i>Provisional protection only.</i></p> <p>1659. CARL HEINRICH ROECKNER, of Marsh Street, Bristol, in the City of Bristol, for an invention for—"An improved method of constructing coffer dams and other similar structures for excluding or keeping back the flow of water and preventing inundations." <i>Provisional protection only.</i></p> <p>1660. JOSEPH BAKER, of Coathbridge, in the County of Lanark, North Britain, Tube Manufacturer, for an invention for—"Improvements in pumps." <i>Provisional protection only.</i></p> <p>1661. JOHN KEY, of the Firm of Key, Hoskins & Co., Brass and Iron Bedstead Manufacturers, of Birmingham, in the County of Warwick, and FERDINAND POTTS, of the Firm of F. Potts & Co., Tube Manufacturers, also of Birmingham, aforesaid, for an invention for—"Certain means of producing designs in iron, and in the application of the same or designs formed in like manner of other metals to the manufacturing and ornamenting of bedsteads and other metal articles of furniture." <i>Letters Patent sealed.</i></p> <p>1662. CARROLL EUGENE GRAY, of No. 73, Great Suffolk Street, Southwark, in the County of Surrey, Tallow Maker, for an invention for—"Improvements in apparatus for extracting, rendering, receiving, purifying, cooling down and delivering oleaginous and fatty matters or other material treated by steam pressure for extraction." <i>Letters Patent sealed.</i></p> <p>1663. JOSEPH WHITWORTH, of Manchester, in the County of Lancaster, for an invention for—"Improvements in shells." <i>Letters Patent sealed.</i></p> <p>1664. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of making the handles of shovels, spades, dung-forks and other analogous articles."—<i>A communication to him from abroad by Alonzo Virgil Blanchard, John Dickinson Blanchard, and Franklin Blanchard, of Palmer, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>1665. EDWARD LLOYD, of Bow Paper Mills, in the County of Middlesex, Paper Maker, for an invention for—"Improvements in machinery for the manufacture of paper." <i>Letters Patent sealed.</i></p> <p>1666. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for breaking and cleaning flax and other like fibre yielding plants."—<i>A communication to him from abroad by Gelston Sanford and James Edward Mallory, both of the City, County and State of New York, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>1667. JOHN MARSON, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"A new or improved projectile for small arms and ordnance of every description." <i>Provisional protection only.</i></p> <p>1668. JOHN JAMES HENRY GEBHARDT, of Lawrence Lane, in the City of London, Merchant, for an invention for—"An improved fastening for bags, purses and other similar articles."—<i>A communication to him from abroad by Anton Berg, of Frankfort-on-the-Maine, in Germany.</i> <i>Letters Patent sealed.</i></p> |
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SCOWEN. 3rd June 1862.	1669. THOMAS LAYZELL SCOWEN, of Allen Road, Stoke Newington, in the County of Middlesex, for an invention for—"Improvements in indicating time and accent in music." <i>Provisional protection only.</i>
GURNEY. 3rd June 1862.	1670. GOLDSWORTHY GURNEY, of Bude, in the County of Cornwall, for an invention for—"Improvements in apparatus for production and application of artificial light." <i>Letters Patent sealed.</i>
HALL. 3rd June 1862.	1671. WILLIAM HATHERTON HALL, of Birmingham, in the County of Warwick, Miners' Lamp Manufacturer, for an invention for—"Improvements in miners' safety lamps." <i>Provisional protection only.</i>
KEMP. 3rd June 1862.	1672. ROBERT ALEXANDER KEMP, of 30, Dudley Grove, Harrow Road, in the County of Middlesex, Musical Instrument Maker, for an invention for—"Improvements in harmoniums." <i>Provisional protection NOT granted.</i>
BIERS. 3rd June 1862.	1673. JOHN BIERS, the younger, of No. 5A, Tottenham Court Road, in the County of Middlesex, for an invention for—"Improvements in shoes for horses and other animals." <i>Letters Patent sealed.</i>
WESTON. 3rd June 1862.	1674. STRINGER WESTON, of Tenterden, in the County of Kent, for an invention for—"Improvements in trusses." <i>Letters Patent sealed.</i>
NORTON. 3rd June 1862.	1675. JAMES LEE NORTON, of Belle Sauvage Yard, in the City of London, for an invention for—"Improvements in machinery for raising and forcing water." <i>Letters Patent sealed.</i>
FINCHAM. 3rd June 1862.	1676. JOHN FINCHAM, of Beck Row, Mildenhall, in the County of Suffolk, Machinist, for an invention for—"An arrangement or arrangements of mechanism useful for facilitating the repairing of roads and ways, also applicable to the tilling of land." <i>Letters Patent sealed.</i>
PERRY. 4th June 1862.	1677. ARCHIBALD HEWISON PERRY, of Brighton, Sussex, Railway Inspector, for an invention for—"Improvements in fastenings for and in the method of fastening together or securing railway chairs and sleepers and for other similar purposes." <i>Letters Patent sealed.</i>
PEEL. SIMPSON. 4th June 1862.	1678. GEORGE PEEL, junior, of the Firm of Messieurs Peel, Williams and Peel, of the Soho Foundry, in the City of Manchester, Engineers, and JOSEPH SIMPSON, of the same place, Manager, for an invention for—"Improvements in the construction, arrangement and mode of working hydraulic presses, and in the arrangement of force pumps." <i>Letters Patent sealed.</i>
CAHILL. 4th June 1862.	1679. CHARLES STAUNTON CAHILL, of No. 9, Gerrard Street, River Terrace, Islington, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of felted fabrics suitable for hats, bonnets and other purposes." <i>Provisional protection only.</i>
JAMES. 4th June 1862.	1680. WILLIAM JAMES, of Red Hill House, Dudley, in the County of Worcester, for an invention for—"Improvements in bolts, spikes and nails and in apparatus for their manufacture." <i>Letters Patent sealed.</i>
ALLCOCK. 4th June 1862.	1681. THOMAS ALLCOCK, of Ratcliffe-on-Trent, in the County of Nottingham, Agricultural Implement Manufacturer and Mechanist, for an invention for—"Improvements in the construction of horse rakes." <i>Letters Patent sealed.</i>
ROE. 4th June 1862.	1682. RICHARD ROE, of Friargate, in the City of York, Wholesale Ironmonger, for an invention for—"Improvements in planes for tongueing, working sash fillisters or other similar purposes." <i>Provisional protection only.</i>
ALLIBON. SNELL. 4th June 1862.	1683. GEORGE ALLIBON and EDWARD SNELL, of Lewisham, Kent, Engineers, for an invention for—"Improvements in surface condensers and super-heaters." <i>Letters Patent sealed.</i>
TOSELLI. 4th June 1862.	1684. GIOVANNI BATTISTA TOSELLI, of 41, Threadneedle Street, in the City of London, Architect, for an invention for—"Improvements in apparatus for freezing and cooling liquids and mixing syrups." <i>Letters Patent sealed.</i>
BATTINSON. BATTINSON. 4th June 1862.	1685. ISAAC BATTINSON and GEORGE BATTINSON, of Halifax, in the County of York, Machine Woolcombers, for an invention for—"Improvements in machinery for combing wool and other fibres." <i>Provisional protection only.</i>

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| <p>SANBORN.
4th June 1862.</p> <p>PRESTON.
GOODMAN.
4th June 1862.</p> <p>SCHULTZ.
4th June 1862.</p> <p>HUSTON.
4th June 1862.</p> <p>NEWTON.
4th June 1862.</p> <p>CONROY.
4th June 1862.</p> <p>RYDILL.
5th June 1862.</p> <p>MOIROUX.
5th June 1862.</p> <p>BELL.
5th June 1862.</p> <p>ROBINSON.
5th June 1862.</p> <p>STANLEY.
STANLEY.
5th June 1862.</p> <p>KEATLEY.
TANGYE.
5th June 1862.</p> <p>SILL.
5th June 1862.</p> <p>PARSONS.
5th June 1862.</p> <p>ROWE.
5th June 1862.</p> | <p>1686. GEORGE HENRY SANBORN, of Boston, Massachusetts, United States, but now residing at 209, Fulham Road, Brompton, in the County of Middlesex, for an invention for—"Improvements in refrigerators."—<i>A communication to him from abroad by Thomas Gates, of Worcester, Massachusetts, United States of America. Provisional protection only.</i></p> <p>1687. FREDERICK PHILIP PRESTON, of Counter Hill, New Cross, Engineer and CHARLES GOODMAN, of George Street, Deptford, Engineer, both of the County of Kent, for an invention for—"Improvements in the permanent way of railways." <i>Provisional protection only.</i></p> <p>1688. EDWARD SCHULTZ, of Brompton, in the County of Middlesex, Engineer, for an invention for—"Improvements in rotatory engines." <i>Letters Patent sealed.</i></p> <p>1689. SAMUEL HUSTON, of Deeping St. James, in the County of Lincoln, for an invention for—"Improvements in safety valves." <i>Provisional protection only.</i></p> <p>1690. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of grain and grass harvesters."—<i>A communication to him from abroad by David Osborne, of Auburn, State of New York, United States of America. Letters Patent sealed.</i></p> <p>1691. EDWARD CONROY, of Boston, United States of America, but now residing at Drummond Street, Euston Square, in the County of Middlesex, Machinist, for an invention for—"Improved machinery for cutting corks, bungs and such like articles." <i>Letters Patent sealed.</i></p> <p>1692. GEORGE RYDILL, of 5, Wardrobe Place, in the City of London, Architect, for an invention for—"An improved hydraulic pump or engine for raising liquids and obtaining motive-power, also applicable for the ventilation of mines and other useful purposes." <i>Letters Patent sealed.</i></p> <p>1693. JOSEPH EMILE MOIROUX, of Windmill Street, Tottenham Court Road, London, for an invention for—"A new compound for protecting and preserving the polish, polished and other surfaces of metals, woods, skins and paper, and for rendering all woven, textile and other fabrics water and weather proof." <i>Provisional protection only.</i></p> <p>1694. JAMES BELL, of Portobello, in the County of Midlothian, North Britain, Engineer, for an invention for—"Improvements in fastenings for railway chairs." <i>Letters Patent sealed.</i></p> <p>1695. ROBERT ROBINSON, of No. 18, Fish Street, Hull, in the County of York, for an invention for—"Improvements in fire-escapes, parts of which improvements are also applicable to other purposes." <i>Provisional protection only.</i></p> <p>1696. JOHN MARTIN STANLEY, and JABEZ STANLEY, Ironfounders, both of Sheffield, in the County of York, for an invention for—"Improvements in stoves or apparatus for diffusing heat." <i>Letters Patent sealed.</i></p> <p>1697. JOHN KEATLEY, of Birmingham, in the County of Warwick, Commercial Clerk, and JAMES TANGYE, of the Firm of Tangye, Brothers, and Price, of Birmingham, aforesaid, Manufacturers, for an invention for—"An improvement or improvements in lifting-jacks." <i>Provisional protection only.</i></p> <p>1698. RICHARD SILL the younger, of Birmingham, in the County of Warwick, Grocer and Tea Dealer, for an invention for—"An improved method of attaching direction cards, name plates or other cards or plates to trunks, packing-cases and other articles." <i>Provisional protection only.</i></p> <p>1699. PERCEVAL MOSES PARSONS, of Blackheath, in the County of Kent, Civil Engineer, for an invention for—"Improvements in ordnance, and in tools for rifling the same, parts of which improvements are applicable to small arms." <i>Letters Patent sealed.</i></p> <p>1700. WILLIAM ROWE, of East India Road, Poplar, in the County of Middlesex, for an invention for—"An improved forge and bellows." <i>Provisional protection only.</i></p> |
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CONROY. 5th June 1862.	1701. EDWARD CONROY, of Boston, United States of America, but now residing in Drummond Street, Euston Square, in the County of Middlesex, Machinist, for an invention for—"Improved machinery for cutting corks, bungs and such like articles." <i>Letters Patent sealed.</i>
HADFIELD. 5th June 1862.	1702. GEORGE HADFIELD, of Bootle Village, near Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in the manufacture of casks or barrels and in the machinery and apparatus to be used in the construction of the same." <i>Letters Patent sealed.</i>
NEWTON. 5th June 1862.	1703. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of organs and other wind instruments, parts of which improvements are also applicable for regulating the pressure and flow of gas and air."— <i>A communication to him from abroad by Aristide Cavaillé-Coll, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
VERITY. 6th June 1862.	1704. JAMES VERITY, of No. 1, Carlton Road, Kentish Town, in the County of Middlesex, House Agent, for an invention for—"An improved composition for coating and preserving walls or other exposed surfaces." <i>Provisional protection only.</i>
DEATH. 6th June 1862.	1705. EPHRAIM DEATH, of Leicester, in the County of Leicester, Engineer, for an invention for—"Improvements in road locomotives or traction engines." <i>Provisional protection only.</i>
DARLINSON. 6th June 1862.	1706. GEORGE DARLINSON, of Much Park Street, in the City of Coventry, in the County of Warwick, Ribbon Manufacturer, for an invention for—"Improvements in the manufacture of ribbons." <i>Provisional protection only.</i>
JEUNE. 6th June 1862.	1707. WILLIAM RICHARD JEUNE, of Flower Terrace, Campbell Road, Bow, in the County of Middlesex, for an invention for—"Improvements in the manufacture of fabrics suitable to be used as substitutes for solid leather." <i>Letters Patent sealed.</i>
NEWTON. 6th June 1862.	1708. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in knitting machinery."— <i>A communication to him from abroad by James Green Wilson, of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
HARDING. 7th June 1862.	1709. WILLIAM HARDING, of Aldersgate Street, in the City of London, for an invention for—"Improvements in the manufacture of bonnet fronts and in apparatus therein." <i>Complete specification; Protection for SIX months only.</i>
ADAMS. 7th June 1862.	1710. ARTHUR JOHN ADAMS, of Devonport, in the County of Devon, Naval Outfitter, for an invention for—"An improved method of rifling fire-arms." <i>Letters Patent sealed.</i>
HATTON. 7th June 1862.	1711. GEORGE DARBYSHIRE HATTON, of the City of Manchester, in the County of Lancaster, Wholesale Stationer and Bookbinder, for an invention for—"Improvements in presses." <i>Letters Patent sealed.</i>
HASELTINE. 7th June 1862.	1712. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, American Barrister, for an invention for—"A new and improved photographic camera."— <i>A communication to him from abroad by Allen Benjamin Wilson, of Waterbury, Connecticut, United States.</i> <i>Complete specification; Letters Patent sealed.</i>
HOOKE. 7th June 1862.	1713. CHARLES HOOKE, of Bridgewater, in the County of Somerset, Cutler, for an invention for—"Improvements in the construction of steam-engines." <i>Letters Patent sealed.</i>
LOVEGROVE. 9th June 1862.	1714. JAMES LOVEGROVE, of Dalston Lane, Hackney, in the County of Middlesex, Surveyor, A. I. C. E., for an invention for—"Improvements in apparatus for inspecting small sewers and drains and for facilitating the removal of obstructions therein." <i>Letters Patent sealed.</i>

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| <p>TURNER.
9th June 1862.</p> <p>FORD.
9th June 1862.</p> <p>HOTTIN.
9th June 1862.</p> <p>KEELING.
9th June 1862.</p> <p>RYO-CATTEAU.
9th June 1862.</p> <p>HECKETHORN.
9th June 1862.</p> <p>GIACHOSA.
9th June 1862.</p> <p>JOYCE.
9th June 1862.</p> <p>KNOWLES.
9th June 1862.</p> <p>SMITH.
10th June 1862.</p> <p>LISTER.
10th June 1862.</p> <p>KINLOCK.
EDMESTON.
10th June 1862.</p> <p>POLS.
10th June 1862.</p> <p>DAVIS.
10th June 1862.</p> <p>JOURDAIN.
10th June 1862.</p> <p>JENNINGS.
10th June 1862.</p> <p>ALISON.
10th June 1862.</p> | <p>1715. WILLIAM HENRY TURNER, of Blackburn, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in engines for carding cotton and other fibrous materials."
<i>Provisional protection only</i></p> <p>1716. ALFRED FORD, of the Priory, Battersea, in the County of Surrey, Gentleman, for an invention for—"An improved method of protecting beer and other fluids from the direct action of atmospheric air."
<i>Provisional protection only</i></p> <p>1717. EDOUARD HOTTIN, of No. 26, Rue de Rivoli, in the City of Paris, in the Empire of France, Agent, for an invention for—"A composition for rendering unflammable linen, flax, silk, cotton, woodwork and other articles or materials."
<i>Provisional protection only</i></p> <p>1718. JOHN KEELING, of Reading, in the County of Berkshire, for an invention for—"Improvements in apparatus for the manufacture of gas."
<i>Letters Patent sealed</i></p> <p>1719. JOSEPH MARIE RYO-CATTEAU, of 333, Rue Saint Martin, Paris, in the Empire of France, and of 42, Bridge Street, Blackfriars, London, for an invention for—"Improvements in machinery for twisting wool, cotton, flax, silk and other fibrous threads."
<i>Letters Patent sealed</i></p> <p>1720. CHARLES WILLIAM HECKETHORN, of Saint Anne's Road, Brixton, in the County of Surrey, for an invention for—"Improved apparatus for obtaining and applying motive-power."
<i>Provisional protection only</i></p> <p>1721. FERNANDO GIACHOSA, of Guy's Cliff Villa, Warwick, in the County of Warwick, for an invention for—"Improvements in ventilating mines, ships' holds, and other places."
<i>Letters Patent sealed</i></p> <p>1722. ARTHUR JOHN JOYCE, of Cambridge Terrace, in the County of Middlesex, Gentleman, for an invention for—"Improvements in lighting and heating."
<i>Letters Patent sealed</i></p> <p>1723. ARTHUR KNOWLES, of the Birstal Dye Works, Birstal, near Leeds, in the County of York, Dyer and Wool Extractor, for an invention for—"Improvements in apparatus for washing extracted wool and other fibre."
<i>Letters Patent sealed</i></p> <p>1724. WILLIAM SMITH, of No. 19, Salisbury Street, Adelphi, Civil Engineer, for an invention for—"Improvements in photography."—<i>A communication to him from abroad by Monsieur Henri Lissagaray, of 12, Rue Ollivier, St. Georges, Paris, in the Empire of France.</i>
<i>Provisional protection only</i></p> <p>1725. THOMAS LISTER, of Hipperholme, near Halifax, in the County of York, Plasterer and Splint Manufacturer, for an invention for—"Improvements in the material to be employed for address cards, visiting cards, labels, railway tickets, and other similar articles, whether for printing or writing upon."
<i>Provisional protection only</i></p> <p>1726. JOHN KINLOCK, of Preston, in the County of Lancaster, Manager, and THOMAS EDMESTON, of the same place, Machinist, for an invention for—"Improvements in looms for weaving."
<i>Letters Patent sealed</i></p> <p>1727. JOHN ANTHONY POLS, of Nye's Wharf, Grand Surrey Canal, Old Kent Road, in the County of Surrey, for an invention for—"An improved method of refining oils."
<i>Provisional protection only</i></p> <p>1728. NATHAN DAVIS, of 25, The Cedars, Putney, in the County of Surrey, for an invention for—"An improved propeller for ships or vessels."
<i>Provisional protection only</i></p> <p>1729. GEORGE THOMAS JOURDAIN, of St. Paul's Terrace, Canonbury, in the County of Middlesex, for an invention for—"Improvements in treating cocoa nut oil."
<i>Letters Patent sealed</i></p> <p>1730. HENRY CONSTANTINE JENNINGS, of Great Tower Street, in the City of London, for an invention for—"Improvements in the preparation of skins for driving bands and harness traces."
<i>Letters Patent sealed</i></p> <p>1731. JOHN ALISON, of Brightlands, Reigate, in the County of Surrey, for an invention for—"Improvements in harrows, and in the apparatus for steering or guiding of such and other agricultural implements."
<i>Letters Patent sealed</i></p> |
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INGLE. 10th June 1862.	1732. JOHN BOUNCKER INGLE, of 37, King William Street, in the City of London, Gentleman, for an invention for—"Improvements in reaping and mowing machines."— <i>A communication to him from abroad by William Henry Seymour and Dayton Morgan, both of Brockport, Monroe County, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
APPOLD. 10th June 1862.	1733. JOHN GEORGE APPOLD, of Wilson Street, Finsbury Square, in the County of Middlesex, Gentleman, for an invention for—"Improved apparatus for regulating the discharge of water and other liquids and air and other gases." <i>Letters Patent sealed.</i>
SHAND. MASON. 11th June 1862.	1734. JAMES SHAND, of 245, Blackfriars Road, in the County of Surrey, Engineer, and SAMUEL MASON, of the same place, Engineer, for an invention for—"Improvements in the construction of steam boilers." <i>Letters Patent sealed.</i>
LENNAN. 11th June 1862.	1735. WILLIAM LENNAN, of Dawson Street, in the City of Dublin, Saddle and Harness Maker, for an invention for—"An improved safety stirrup." <i>Letters Patent sealed; and specification filed by order.</i>
WAKE. 11th June 1862.	1736. JOHN DAVIS WAKE, of Cornhill, in the City of London, Merchant, for an invention for—"Improvements in the construction of ships and vessels." <i>Letters Patent sealed.</i>
BLAND. 11th June 1862.	1737. HENRY BLAND, of Stuart Street, Luton, in the County of Bedford, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
HOLLAND. 11th June 1862.	1738. WILLIAM HOLLAND, of the Adelphi Mills, Salford, in the County of Lancaster, Cotton Spinner, for an invention for—"Certain improvements in carding-engines." <i>Letters Patent sealed.</i>
CROOK. 11th June 1862.	1739. WILLIAM CROOK, of Blackburn, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
CRICHTON. DONBAVAND. CRICHTON. 11th June 1862.	1740. DAVID CRICHTON, Machinist, WILLIAM DONBAVAND, Scale Beam and Weighing Machine Manufacturer, and DUNCAN CRICHTON, Engineer, all of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
MARSH. 11th June 1862.	1741. JOHN MARSH, of New Sneinton, near Nottingham, Machinist, for an invention for—"Improvements in the manufacture of lace and in the machinery employed therein." <i>Provisional protection only.</i>
JOHNSON. 11th June 1862.	1742. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in cradles or swing cots."— <i>A communication from abroad by Hans Nannestad, of Stockholm, in the Kingdom of Sweden, Merchant.</i> <i>Provisional protection only.</i>
GERLAND. 11th June 1862.	1743. BALTHASAR WILHELM GERLAND, of Newton-le-Willows, in the County of Lancaster, Chemist, for an invention for—"Improvements in the manufacture of sulphate of copper and in obtaining metals from the material used in such manufacture." <i>Letters Patent sealed.</i>
HOLMES. 11th June 1862.	1744. JOSEPH ELLICOTT HOLMES, of South Parade, Trafalgar Square, Chelsea, in the County of Middlesex, Mechanical and Civil Engineer, for an invention for—"Improved machinery for cultivating or harrowing land."— <i>A communication to him from abroad by Orman Coe, of Port Washington, Wisconsin, United States of America.</i> <i>Provisional protection only.</i>
HETHERINGTON. 11th June 1862.	1745. JOHN HETHERINGTON, of Manchester, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in lubricating revolving surfaces." <i>Letters Patent sealed.</i>
INGHAM. WOOD. 12th June 1862.	1746. JOHN INGHAM, of the Valley Dye Works, Bradford, in the County of York, Dyer and Finisher, and WILLIAM PICKARD WOOD, of the same place, Analytical Chemist, for an invention for—"Improvements in preparing colouring matters for dyeing and printing." <i>Letters Patent sealed.</i>
SPIGHT. 12th June 1862.	1747. ISAAC SPIGHT, of Glandford Briggs, in the County of Lincoln, Ironfounder and Agricultural Machine Maker, for an invention for—"Improvements in horse hoes." <i>Provisional protection only.</i>

- TOLHAUSEN.
12th June 1862. 1748. FREDERICK TOLHAUSEN, Civil Engineer and Patent Agent, 17, Rue du Faubourg Montmartre, Paris, for an invention for—"A new or improved surgical injecting apparatus."—*A communication from Claude André Jozansi, M.D., a person resident at St. Romain-de-Benet, Charente Inférieure.* Letters Patent sealed.
- LERENARD.
12th June 1862. 1749. AUGUSTE AIMÉ LERENARD, of 60, Boulevard de Strasbourg, Paris, Practical Engineer for an invention for—"A new and improved cement or mastic for making joints of steam, water, or gas pipes or chambers." Letters Patent sealed.
- FIRMAN.
WILLIAMS.
12th June 1862. 1750. HENRY STOCKTON FIRMAN, and WILLIAM JAMES WILLIAMS, of 73, Great Suffolk Street, Southwark, in the County of Surrey, for an invention for—"Improvements in apparatus for cutting up and preparing as food or chaff for animals or for any other purpose straw, hay, corn-stalks, roots and all other similar substances."—*A communication to them from abroad by Joseph Eysra, of the City of Muscatine, State of Iowa, United States of America.* Provisional protection only.
- FIRMAN.
WILLIAMS.
12th June 1862. 1751. HENRY STOCKTON FIRMAN, and WILLIAM JAMES WILLIAMS, of 73, Great Suffolk Street, Southwark, in the County of Surrey, for an invention for—"Improvements in lamps more particularly designed for burning paraffin or coal oil and other hydro-carbons of different grades, or any combustible material used for obtaining light."—*A communication to them from abroad by Joseph Eysra, of the City of Muscatine, State of Iowa, United States of America.* Provisional protection only.
- SALVIATI.
12th June 1862. 1752. ANTOINE SALVIATI, of Venice, Advocate, now residing at Great Portland Street, in the County of Middlesex, for an invention for—"An improved mode of producing indestructible inscriptions and ornamental surfaces in gold and other precious metals."—*A communication to him from abroad by Laurent Radi, of Venice, a foreigner residing abroad.* Letters Patent sealed.
- GEORGE.
12th June 1862. 1753. BENJAMIN GEORGE, of Kingsland Road, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of portable beds, bolsters, pillows and sofa and other cushions." Letters Patent sealed.
- JACKSON.
12th June 1862. 1754. MICHAEL JACKSON, of Curtain Road, Shoreditch, in the County of Middlesex, Dentist, for an invention for—"An improved shield for the gums to protect them from injury when cleaning the teeth." Letters Patent sealed.
- SMITH.
13th June 1862. 1755. WILLIAM SMITH, of Number 48, Briggate, in Leeds, in the County of York, Merchant, for an invention for—"Improvements in apparatus for cutting or dividing soap." Provisional protection only.
- HASELTINE.
13th June 1862. 1756. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, American Barrister-at-Law, for an invention for—"Improvements in the construction and application of rails for railways."—*A communication to him from abroad by Benjamin Morison, of Philadelphia, Pennsylvania, United States, Engineer.* Provisional protection only.
- Longbottom.
13th June 1862. 1757. ABRAM Longbottom, of Hammersmith, in the County of Middlesex, for an invention for—"Improvements in the manufacture of artificial stone." Letters Patent sealed.
- WILSON.
13th June 1862. 1758. JOHN WILSON, of 7, Albert Square, Clapham Road, in the County of Surrey, for an invention for—"Improvements in the construction of ships for war purposes applicable also to the mercantile marine." Provisional protection only.
- GLEW.
13th June 1862. 1759. JOHN HENRY GLEW, of Howland Street, Fitzroy Square, in the County of Middlesex, for an invention for—"Improvements in sewing-machines." Letters Patent sealed.
- TYLER.
13th June 1862. 1760. CLARA ANN TYLER, Wife of William Tyler, of Birmingham, in the County of Warwick, Corn Dealer, for an invention for—"A new or improved holder for holding dinner and other plates and dishes and for other like purposes." Letters Patent sealed.
- FLEMING.
13th June 1862. 1761. THOMAS WILLIS FLEMING, of No. 10, Lancaster Gate, Bayswater, in the County of Middlesex, for an invention for—"Improvements in preparing charges for fire-arms." Provisional protection only.

BERMINGHAM.
13th June 1862.

1762. JOHN BERMINGHAM, of Cork, in the County of Cork, Ireland, for an invention for—"Improvements in the construction of vessels of war, parts of which improvements are also applicable to the construction of vessels for commercial and other purposes."
Provisional protection only.

NEWTON.
13th June 1862.

1763. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in fire-arms and in the attachment of bayonets or swords thereto."—*A communication to him from abroad by Eben Townsend Starr, of the City and County of New York, United States of America.*
Letters Patent sealed.

NEWTON.
13th June 1862.

1764. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improvement in elongated bullets."—*A communication to him from abroad by Elijah Day Williams and Cyrus West Field, both of the City and County of New York, United States of America.*
Letters Patent sealed.

IVES.
13th June 1862.

1765. JULIUS IVES, of New York, in the United States of America, but now residing at Bow, in the County of Middlesex, for an invention for—"Improved apparatus for expressing juice from fruit and other vegetable substances."

Provisional protection only.

ROBINSON.
13th June 1862.

1766. JOHN ROBINSON, of Rochdale, in the County of Lancaster, Timber Merchant, for an invention for—"Improvements in machinery or apparatus for sawing wood."

Letters Patent sealed.

LANCELOTT.
14th June 1862.

1767. JAMES LANCELOTT, of Clifton Terrace, Birmingham, in the County of Warwickshire, Jeweller, for an invention for—"Improvements in the manufacture of ornamental chains from sheet metal."

Letters Patent sealed.

WILLIAMS.
COX.
14th June 1862.

1768. THOMAS WILLIAMS, of 14, Red Lion Street, Clerkenwell, in the County of Middlesex, and of Aberdaron, in the County of Caernarvon, Smith and Engineer, and HENRY COX, of 22, Lower Street, Islington, in the County of Middlesex, Gas Engineer, for an invention for—"Improvements in churns partly applicable to washing-machines."

Letters Patent sealed.

SAWYER.
PADGHAM.
14th June 1862.

1769. JOSEPH SAWYER, of Noble Street, in the County of Middlesex, Engineer, and GEORGE PADGHAM, of Dalston, in the said County of Middlesex, Gentleman, for an invention for—"Improvements in steam-boiler and other furnaces applicable in part to grates of various kinds."

Letters Patent sealed.

DALLOT.
14th June 1862.

1770. JULES GERMAIN ALEXANDRE DALLOT, of L'Isle Adam, in the Department of Seine et Oise, in the Empire of France, Joiner, for an invention for—"A new portable circular saw."

Provisional protection only.

MIQUEL.
14th June 1862.

1771. JEAN FELIX MIQUEL, Doctor, of Tours, in the Department of Indre et Loire, in the Empire of France, for an invention for—"An improved pessary."

Provisional protection only.

JOHNSON.
14th June 1862.

1772. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in jacquard machines."—*A communication to him from abroad by Michel Bouteille, of Paris, in the Empire of France.*

Provisional protection only.

BOUCH.
14th June 1862.

1773. WILLIAM BOUCH, of Shildon, in the County of Durham, Engineer, for an invention for—"Improvements in cranes."

Letters Patent sealed.

BRODMAN.
14th June 1862.

1774. RICHARD ARCHIBALD BRODMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in coking-ovens, in collecting and utilizing the products resulting from the distillation or carbonization of coal and other matters producing coke, and in apparatus employed therein."—*A communication to him from abroad by Charles Claude Philibert Nicolas Pernolet, of 13, Rue de Trévise, Paris, France.*

Letters Patent sealed.

WIGHTON.
14th June 1862.

1775. WILLIAM WIGHTON, of the City of Edinburgh, Watchmaker, for an invention for—"Improvements in apparatus for regulating watches and other time-keepers."

Letters Patent sealed.

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| <p>HICKS.
14th June 1862.</p> <p>COURTILLIER.
16th June 1862.</p> <p>LANOA.
16th June 1862.</p> <p>ALLAN.
16th June 1862.</p> <p>BIRKBECK.
16th June 1862.</p> <p>EVANS.
16th June 1862.</p> <p>CURTIS.
16th June 1862.</p> <p>BRIGHT.
16th June 1862.</p> <p>HOLMES.
17th June 1862.</p> <p>HUNTLEY.
17th June 1862.</p> <p>CRESTADORO.
17th June 1862.</p> <p>HUNT.
17th June 1862.</p> <p>SINNOCK.
ROWLEY.
17th June 1862.</p> <p>MAKINSON.
17th June 1862.</p> <p>NIELD.
NIELD.
17th June 1862.</p> <p>PRINGLE.
17th June 1862.</p> | <p>1776. ROBERT HICKS, of Kensington Park Terrace, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture or preparation of paints, pigments and colours."
<i>Letters Patent sealed.</i></p> <p>1777. CHARLES EDMÉ COURTILLIER, of No. 184, Boulevard Magenta, in the City of Paris, Physician, for an invention for—"Improved inhaling and saturating apparatus."
<i>Provisional protection only.</i></p> <p>1778. FRANÇOIS MARIE LANA, of No. 49, Boulevard Montparnasse, in the City of Paris, in the Empire of France, Engineer, for an invention for—"An improved geodetic or topographic instrument intended to combine in one all the instruments now used in surveying."
<i>Provisional protection only.</i></p> <p>1779. JOHN FLEMING ALLAN, of the Firm of Allan and McRuer, Ironfounders, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improved furnace arrangements to prevent smoke and economize fuel."
<i>Letters Patent sealed.</i></p> <p>1780. GEORGE HENRY BIRKBECK, of the Firm of Tongue & Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents and Engineers, for an invention for—"Improvements in the construction of presses for extracting liquids from various substances."—<i>A communication to him from abroad by Jean Joseph Requier, retired Naval Officer, and Eugène Genestal, late Magistrate, both of Paris, in the Empire of France.</i>
<i>Provisional protection only.</i></p> <p>1781. JAMES EVANS, of Hyde, in the County of Chester, Overlooker, for an invention for—"Improvements in self-acting mules."
<i>Provisional protection only.</i></p> <p>1782. WILLIAM JOSEPH CURTIS, of Tufnell Park Road, Holloway, in the County of Middlesex, Civil Engineer, for an invention for—"An improvement in the construction of screw propellers."
<i>Letters Patent sealed.</i></p> <p>1783. HENRY BRIGHT, of Woodford, in the County of Essex, Gentleman, for an invention for—"Improved apparatus or arrangements for screening fires in stoves and grates, with the view to avoid accidents."
<i>Provisional protection only.</i></p> <p>1784. JOSEPH ELLICOTT HOLMES, of South Parade, Trafalgar Square, Chelsea, in the County of Middlesex, Mechanical and Civil Engineer, for an invention for—"Improved machinery for digging or cultivating land."—<i>A communication to him from abroad by Benjamin Field, of Sheboygan Falls, Wisconsin, United States of America.</i>
<i>Provisional protection only.</i></p> <p>1785. SAMUEL HAZARD HUNTLEY, of No. 50, Upper Baker Street, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in the construction of furnaces for effecting the more perfect combustion of the fuel."
<i>Letters Patent sealed.</i></p> <p>1786. ANDREA CRESTADORO, of Genoa, in Italy, Professor of Natural Philosophy, but now resident at 19, Great Ormond Street, Queen Square, in the County of Middlesex, for an invention for—"Improvements in obtaining and applying motive-power from rarefied air and from æriform fluids."
<i>Letters Patent sealed.</i></p> <p>1787. JOHN HUNT, of Birmingham, in the County of Warwick, Brassfounder, for an invention for—"An improvement or improvements in bronzing or colouring articles of copper or alloys of copper."
<i>Letters Patent sealed.</i></p> <p>1788. WILLIAM SINNOCK, of Nicholas Lane, London, Mechanical Engineer, and JOHN ROWLEY, of Camberwell, Surrey, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of compound fabrics and in the arrangement of apparatus for manufacturing same."
<i>Provisional protection NOT granted.</i></p> <p>1789. ALEXANDER WOODLANDS MAKINSON, of Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in locomotive and stationary engines."
<i>Letters Patent sealed.</i></p> <p>1790. JOHN NIELD, Ironfounder, and THOMAS ARTHUR NIELD, Engineer, both of Dukinfield, in the County of Chester, for an invention for—"Improvements in moulding or manufacturing pipes, columns or other similar articles of cast iron or other metals."
<i>Letters Patent sealed.</i></p> <p>1791. ARCHIBALD PRINGLE, of 39, Grosvenor Crescent, Camden Town, for an invention for—"Certain improvements in locks."
<i>Provisional protection only.</i></p> |
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TURNER. LOSEBY. 17th June 1862.	1792. MANSFIELD TURNER, of Wigston, in the County of Leicester, Lieutenant Colonel in Her Majesty's Volunteers, and EDWARD THOMAS LOSEBY, of Wood Street, in the City of London, and of Leicester, in the County of Leicester, Horologist, for an invention for—"Improvements in small arms and ordnance and in sights for the same, part of which may be used for measuring distances." <i>Provisional protection only.</i>
VARLEY. 17th June 1862.	1793. SAMUEL VARLEY, of Sleaford, in the County of Lincoln, Engineer, for an invention for—"Improvements in reaping-machines." <i>Provisional protection only.</i>
CLARK. 17th June 1862.	1794. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of buttons and in apparatus for the same."— <i>A communication to him from abroad by Pierre Denis Hautecloque, of 29, Boulevard St. Martin, Paris, Merchant.</i> <i>Letters Patent sealed.</i>
HASELTINE. 17th June 1862.	1795. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, American Barrister-at-Law, for an invention for—"Improvements in roofs for railroad cars and hurricane decks of vessels."— <i>A communication to him from abroad by Alonzo Page Winslow, of Cleveland, Ohio, United States.</i> <i>Complete specification; Letters Patent sealed.</i>
KELLOW. SHORT. 17th June 1862.	1796. JOSEPH KELLOW, and HENRY SHORT, both of Delabole, in the County of Cornwall, Mineralogists, for an invention for—"Improvements in the manufacture of blasting powder." <i>Letters Patent sealed.</i>
WHEATER. TOWNEND. 18th June 1862.	1797. JAMES WHEATER, of Lee Mill, Bacup, in the County of Lancaster, Mechanic, and JOHN TOWNEND, of Pippin Bank, Bacup, aforesaid, Overlooker, for an invention for—"Improvements in self-acting and other mules for spinning cotton or any other fibrous substances." <i>Provisional protection only.</i>
JOHNSON. 18th June 1862.	1798. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in projectiles."— <i>A communication to him from abroad by Benjamin Berkley Hotchkiss, of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
WARREN. 18th June 1862.	1799. JOSEPH WARREN, of Maldon, in the County of Essex, Implement Manufacturer, for an invention for—"Improvements in ploughs." <i>Letters Patent sealed.</i>
COLTMAN. 18th June 1862.	1800. FRANCIS COLTMAN, of Normanton, in the County of York, Carpenter, for an invention for—"Improvements in apparatus for discharging coals, minerals, or other substances." <i>Provisional protection only.</i>
NEWTON. 18th June 1862.	1801. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in electrical brushes."— <i>A communication to him from abroad by Pierre Nos d'Argence, of Rue St. Sébastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
CLARK. 19th June 1862.	1802. WILLIAM CLARK, of Quadrant Road, Highbury New Park, Islington, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture of that kind of boxes known as dry goods boxes." <i>Provisional protection only.</i>
SMITH. 19th June 1862.	1803. JOHN LANCELOT SMITH, of No. 18, St. John Square, Clerkenwell, in the County of Middlesex, Clock Manufacturer, for an invention for—"A universal fire alarm with discharging apparatus." <i>Provisional protection only.</i>
SPEIGHT. 19th June 1862.	1804. GEORGE SPEIGHT, of 5, Saint John Street Road, in the County of Middlesex, Manufacturer, for an invention for—"An improvement in the manufacture of head ornaments." <i>Provisional protection only.</i>
HOWAT. 19th June 1862.	1805. ANDREW HOWAT, of Farnworth, near Bolton-le-Moors, in the County of Lancaster, Brass Founder, for an invention for—"Improvements in the construction of water gauges and blow-off taps for steam-boilers and other purposes." <i>Letters Patent sealed.</i>

RUSHTON. 19th June 1862.	1806. HENRY RUSHTON, of 48a, Northampton Road, Clerkenwell, in the County of Middlesex, for an invention for—"Improvements in plaiting-machines to plait cotton yarns, silk or like fibrous materials." <i>Provisional protection only.</i>
STOKES. JAMES. STOKES. 19th June 1862.	1807. WILLIAM STOKES, of Birmingham, in the County of Warwick, Gun Barrel Rifler, and CHARLES WEDGE JAMES, of Birmingham, aforesaid, Gun Manufacturer, and JOHN STOKES, of Birmingham, aforesaid, Gun Barrel Rifler, for an invention for—"New or improved machinery for stocking and screwing guns and pistols." <i>Provisional protection only.</i>
STANSFIELD. DODGEON. 19th June 1862.	1808. RICHARD STANSFIELD, Ironfounder and Machinist, and JOHN DODGEON, Mechanic, both of Todmorden, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed; no specification filed.</i>
CARTWRIGHT. 19th June 1862.	1809. CHARLES CARTWRIGHT, of No. 1, Liverpool Street, Moorfields, in the City of London, for an invention for—"Improved means of stopping or retarding trains on railways." <i>Provisional protection only.</i>
WIGZELL. 19th June 1862.	1810. MONTAGUE WIGZELL, of the Strand, Topsham, in the County of Devon, for an invention for—"Improvements in the form of bolts and other fastenings for shipbuilding and other purposes." <i>Letters Patent sealed.</i>
DAVIS. 19th June 1862.	1811. EDWARD JOHN DAVIS, of West Smithfield, in the City of London, for an invention for—"Improvements in treating and preparing food for horses and other animals." <i>Letters Patent sealed.</i>
WOOD. 19th June 1862.	1812. JOHN BLAND WOOD, of Vernon House, Camp Street, Broughton, near Manchester, in the County of Lancaster, M.D., for an invention for—"Improvements in the manufacture of driving straps or bands, the backs of wire cards, and cop tubes." <i>Letters Patent sealed.</i>
THOMSON. 19th June 1862.	1813. WILLIAM THOMSON, of the Thorney Gas and Water Works, Thorney, near Peterborough, in the County of Cambridge, for an invention for—"Improvements in machinery for making bricks, tiles and other articles." <i>Provisional protection only.</i>
JEFFRIES. 20th June 1862.	1814. WILLIAM JEFFRIES, of West Bromwich, in the County of Stafford, Manager of Ironworks, for an invention for—"A new or improved rail for railways and a new or improved chair or sleeper for the said rail." <i>Provisional protection only.</i>
DUPUCH. 20th June 1862.	1815. JOSEPH GUSTAVE DUPUCH, of Paris, France, Brass Founder, for an invention for—"Improvements in cocks for regulating the supply of gas." <i>Provisional protection only.</i>
DETUNCO. 20th June 1862.	1816. JEAN BAPTISTE THEOPHILE DETUNCO, of Quesnoy le Montant, in the Department of the Somme, in the Empire of France, Farmer, for an invention for—"Improved apparatus or machinery for treating flax or hemp." <i>Letters Patent sealed.</i>
GEDGE. 20th June 1862.	1817. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of candlesticks and in machinery or apparatus used in such manufacture."— <i>A communication to him from abroad by Emmanuel Bazin and Eugene Bazin, both of Sourdeval-la-Barre, France.</i> <i>Provisional protection only.</i>
BEDFORD. 20th June 1862.	1818. JOHN BEDFORD, formerly of Sheffield, but now residing in Paris, 52, Rue Charlot, Manufacturer, for an invention for—"Improvements in the irons and cutters of planes and in the method of manufacturing the same."— <i>A communication to him by Mr. Joseph Schell, a person residing at Monswillers, near Saverne (France).</i> <i>Letters Patent sealed.</i>
MALINS. 20th June 1862.	1819. WILLIAM MALINS, of Pershore, in the County of Worcester, for an invention for—"An improved protective covering for agricultural or other similar purposes." <i>Provisional protection only.</i>

ADAMSON. LEIGH. 20th June 1862.	1820. DANIEL ADAMSON, of the Newton Moor Iron Works, Newton Moor, in the County of Chester, and LEVI LEIGH, of Saint Petersburg, in the Empire of Russia, Cotton Spinner, for an invention for—"Improvements in the construction of steam-boilers and in apparatus connected therewith, part of which is applicable to ship building." <i>Letters Patent sealed.</i>
MODY. 20th June 1862.	1821. BOMANJEE MUNCHERJEE MODY, of No. 4, Trafalgar Square, (Patent Office,) in the County of Middlesex, for an invention for—"Improvements in varnish or polish." <i>Provisional protection only.</i>
TAYLOR. 20th June 1862.	1822. JOSEPH WALTER TAYLOR, of Newsome, near Huddersfield, in the County of York, Manufacturer, for an invention for—"Improvements in valves and in means for regulating and indicating the flow and pressure of fluids." <i>Letters Patent sealed.</i>
MIDDLETON. 20th June 1862.	1823. DAVID MIDDLETON, of Burton by Lincoln, in the County of Lincoln, Agriculturalist, for an invention for—"Improvements in cranes for lifting weights into and out of carts and for other purposes." <i>Provisional protection only.</i>
OSMAN. 20th June 1862.	1824. CHARLES OSMAN, of Chryssell Road, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of elastic or yielding surfaces for sitting, lying or reclining upon, part of which improvements are applicable to other purposes." <i>Provisional protection only.</i>
WARNER. 20th June 1862.	1825. ARTHUR WARNER, of Threadneedle Street, in the City of London, for an invention for—"Improvements in the manufacture of pigments or paints from certain refuse materials." <i>Letters Patent sealed.</i>
GRAY. CUNNINGHAM. 20th June 1862.	1826. GEORGE GRAY, of Whiteburn, in the County of Linlithgow, North Britain, Coal and Lime Master, and DAVID CUNNINGHAM, of the same place, Manufacturing Chemist, for an invention for—"Improvements in applying a new material to be used as a substitute for the 'blackening' or other materials employed in casting or moulding metals." <i>Provisional protection only.</i>
FABBRICOTTI. 21st June 1862.	1827. BERNARDO FABBRICOTTI, of 150, Leadenhall Street, for an invention for "A polishing and grinding belt formed of leather or other flexible or pliable material, having plugs composed of emery or other gritty substance, and a proper cement inserted in it substantially."— <i>A communication to him from abroad by George Rutger Vanderbilt, of 116, Nassau Street, New York, United States of America.</i> <i>Letters Patent sealed.</i>
SCHNEIDER. SNIDER, 21st June 1862.	1828. FRANÇOIS EUGÈNE SCHNEIDER, of Paris, France, and JACOB SNIDER, junior, of the United States of America, both now residing at 25, Walpole Street, New Cross, in the County of Surrey, for an invention for—"Improvements in the construction of breech-loading fire-arms." <i>Letters Patent sealed.</i>
YAPP. 21st June 1862.	1829. GEORGE WAGSTAFF YAPP, of Elm Cottage, Old Brompton Road, in the County of Middlesex, for an invention for—"The reproduction of the various colours and tints of chromolithographic impressions on glass, earthenware, china and other bodies."— <i>A communication to him by Victor Mangin, of Paris, in the Empire of France.</i> <i>Provisional protection NOT granted.</i>
TAYLOR. 21st June 1862.	1830. JAMES TAYLOR, of Oldham, in the County of Lancaster, Cotton Spinner, for an invention for—"An improved 'doffer' or 'stripper' for carding-engines for preparing cotton and other fibrous substances." <i>Letters Patent sealed.</i>
SIMPSON. 21st June 1862.	1831. GEORGE SIMPSON, of Glasgow, in the County of Lanark, North Britain, Civil and Mining Engineer, for an invention for—"Improvements in machinery for working boring and mining or excavating tools, and mine and other pumps." <i>Letters Patent sealed.</i>
DAVENPORT. DAVENPORT. 21st June 1862.	1832. HENRY DAVENPORT, and JOHN DAVENPORT, both of Bradford, in the County of York, Reed and Heald Makers, for an invention for—"Improvements in means or apparatus for the manufacture of loom healds or harness." <i>Letters Patent sealed.</i>
ANDERTON. 21st June 1862.	1833. JOHN ANDERTON, of Accrington, in the County of Lancaster, Manufacturer for an invention for—"Certain improvements applied to the tape-lex or sizing machine and in the apparatus employed therein for the purpose of improving the yarns." <i>Letters Patent sealed.</i>

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| <p>HOLMAN.
21st June 1862.</p> | <p>1834. STEPHEN HOLMAN, of 18, Cannon Street, London, in the County of Middlesex, Engineer, for an invention for—"Improvements in pumps and valves."
<i>Letters Patent sealed.</i></p> |
| <p>GONNON.
21st June 1862.</p> | <p>1835. HENRY GONNON, of Saint Nazaire, in the Department of the Loire Inférieure, in the Empire of France, for an invention for—"Improved machinery for making bricks."
<i>Provisional protection only.</i></p> |
| <p>MAIGRON.
21st June 1862.</p> | <p>1836. ANTOINE FRÉDÉRIC MAIGRON, of No. 46, Rue Grande Marengo, in the City of Marseilles, in the Department of the Bouches du Rhône, in the Empire of France, Mechanician, for an invention for—"Improvements in machinery or apparatus for the manufacture of tow or oakum, and for winding off carding and spinning all kinds of fibrous fabrics."
<i>Letters Patent sealed.</i></p> |
| <p>REDSTONE.
21st June 1862.</p> | <p>1837. JOHN HOOPER REDSTONE, of Indianapolis, County of Marion, in the United States of America, and at present of No. 481, New Oxford Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of boilers of steam-engines."—<i>The result partly of a communication to him from abroad by Albert Ellis Redstone, of Indianapolis, County of Marion, United States of America, and partly of invention and discovery made by him.</i> <i>Letters Patent sealed.</i></p> |
| <p>TOLHAUSEN.
21st June 1862.</p> | <p>1838. FREDERICK TOLHAUSEN, Civil Engineer and Patent Agent, 17, Rue du Faubourg Montmartre, Paris, in the Empire of France, for an invention for—"Improvements in apparatus for preventing collisions on railways."—<i>A communication from Hercule Barbier, a person resident at No. 17, Rue du Faubourg Montmartre, aforesaid.</i> <i>Provisional protection only.</i></p> |
| <p>BOUSFIELD.
21st June 1862.</p> | <p>1839. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Certain new and useful improvements in steam-engine valves."—<i>A communication to him from abroad by John Baird, a person resident at the City of New York, United States of America.</i> <i>Complete specification: Letters Patent sealed.</i></p> |
| <p>LAWSON.
21st June 1862.</p> | <p>1840. JOHN LAWSON, of 2, Morris Place, Glasgow, for an invention for—"Improvements in the manufacture of carpets and other piled fabrics."
<i>Letters Patent sealed.</i></p> |
| <p>EDMONDS.
21st June 1862.</p> | <p>1841. EZEKIEL EDMONDS, of Berryfield, in the County of Wilts, for an invention for—"Improvements in the manufacture of felted articles and fabrics, and in the apparatus employed therein."—<i>The result partly of communication from abroad made to him by James Wyght, of Lawrence, Massachusetts, United States of America, and partly of invention and discovery made by himself.</i> <i>Letters Patent sealed.</i></p> |
| <p>WILSON.
23rd June 1862.</p> | <p>1842. THOMAS WILSON, of Birmingham, in the County of Warwick, Engineer, and Gun Manufacturer, for an invention for—"A new or improved dress fastening, which said fastening is also applicable to the fastening of bands and belts in general and to other like purposes."
<i>Letters Patent sealed.</i></p> |
| <p>McKENZIE.
RAMSAY.
23rd June 1862.</p> | <p>1843. HUGH McKENZIE, and PATRICK RAMSAY, of Glasgow, in the County of Lanark, North Britain, Manufacturers, for an invention for—"Improvements in cylindrical or circular brushes or rollers for various manufacturing machines."
<i>Provisional protection only.</i></p> |
| <p>PONSONBY.
23rd June 1862.</p> | <p>1844. HENRY PONSONBY, of Liverpool, in the County of Lancaster, Provision Merchant, for an invention for—"Improvements in top sail sheet bits or bolts."
<i>Letters Patent sealed.</i></p> |
| <p>HASELTINE.
23rd June 1862.</p> | <p>1845. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, American Barrister-at-Law, for an invention for—"Improvements in machinery for mowing and reaping, the driving gear employed being applicable to machines for other purposes."—<i>A communication to him from abroad by Moses Gilbert Hubbard, of Syracuse, New York, United States.</i> <i>Complete specification: Letters Patent sealed.</i></p> |
| <p>WEBSTER.
23rd June 1862.</p> | <p>1846. ALEXANDER WEBSTER, of Arbroath, in the County of Forfar, North Britain, Blacksmith, for an invention for—"Improvements in machinery or apparatus for boring slate."
<i>Letters Patent sealed.</i></p> |

BARR. 23rd June 1862.	1847. WILLIAM BARR, of Coventry, in the County of Warwick, Designer, for an invention for—"An improved manufacture of raised or brocaded fabrics woven in cotton or flax, either alone or in combination with wool." <i>Letters Patent sealed.</i>
COOK. 23rd June 1862.	1848. RICHARD COOK, of Finsbury Place South, in the County of Middlesex, Piano Forte Maker, for an invention for—"Improvements in the construction of piano-forte actions." <i>Letters Patent sealed.</i>
RIPLEY. 24th June 1862.	1849. ABRAHAM RIPLEY, of Brook Street, West Square, Lambeth, County of Surrey, Engineer, for an invention for—"Improvements in the construction of damper governors or regulators." <i>Letters Patent sealed.</i>
HARGREAVES. LEATHER. 24th June 1862.	1850. WILLIAM HARGREAVES, Whitesmith, and GEORGE HENRY LEATHER, Worsted Spinner, both of Bradford, in the West Riding of the County of York, for an invention for—"Improvements in machinery or apparatus for combing wool, hair, silk, cotton, flax, and other fibrous substances." <i>Letters Patent sealed.</i>
CARR. 24th June 1862.	1851. THOMAS CARR, of New Ferry, in the County of Chester, Glue Manufacturer, for an invention for—"An improved machine for grinding, kneading washing, and other like purposes." <i>Letters Patent sealed.</i>
DESGRANDSCHAMPS. 24th June 1862.	1852. THEOPHILE DESGRANDSCHAMPS, of No. 75, Rue de Charenton, in the City of Paris, in the Empire of France, Mechanician, for an invention for—"A new mechanism of distribution with motion from the rod applicable to any kind of steam engines." <i>Provisional protection only.</i>
COLLIER. CROSSLEY. 24th June 1862.	1853. GEORGE COLLIER, of Halifax, in the County of York, and JAMES WILLIAM CROSSLEY, of Brighouse in the same County, for an invention for—"Improvements in means or apparatus for hot pressing, which improvements are also applicable to other heating purposes." <i>Provisional protection only.</i>
BAYLISS. 24th June 1862.	1854. WILLIAM BAYLISS, of the Firm of W. and M. Bayliss & Co., Flat and Chain Cable and Iron Hurdle and Fencing Manufacturers, of Monmore Green, Wolverhampton, in the County of Stafford, for an invention for—"An improved strainer for straining and tightening wire for fencing and other purposes." <i>Provisional protection only.</i>
JOHNSTON. 24th June 1862.	1855. JAMES JOHNSTON, of Paisley, in the County of Renfrew, North Britain, Hat Manufacturer, for an invention for—"Improvements in hats." <i>Provisional protection only.</i>
GRAY. 24th June 1862.	1856. GEORGE GRAY, of Greenwich, in the County of Kent, for an invention for—"Improvements in the manufacture of wheels." <i>Provisional protection only.</i>
NICHOLSON. 24th June 1862.	1857. EDWARD CHAMBERS NICHOLSON, of the Atlas Works, Locksfields, in the County of Surrey, Manufacturing Chemist, for an invention for—"Improvements in the preparation of coloring matters applicable to dyeing and printing." <i>Letters Patent sealed.</i>
CLARK. 24th June 1862.	1858. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in hernial and other orthopedic apparatus and in pessaries and other instruments."— <i>A communication to him from abroad by Pierre Ferdinand Leplanquais, of 29, Boulevard St. Martin, Paris, Surgical Bandage Maker.</i> <i>Provisional protection only.</i>
MENNONS. 25th June 1862.	1859. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 24, Rue du Mont Thabot, Paris, in the Empire of France, for an invention for—"Improvements in steam-boiler furnaces."— <i>A communication from Frédéric Emile de Erlanger and Alexandre Friedmann, persons resident at No. 21, Rue de la Chaussée de Antin, Paris, France.</i> <i>Letters Patent sealed.</i>
BROOKS. DENTON. 25th June 1862.	1860. SAMUEL BROOKS, of the Union Mills, in the City of Manchester, Machine Maker, and SAMUEL DENTON, of Oldham, in the County of Lancaster, Mechanic, for an invention for—"Improvements in machinery for spinning and doubling." <i>Provisional protection only.</i>
BLAIR. 25th June 1863.	1861. JOHN BLAIR, of the Caledon Mill, in the City of Manchester, Wadding Manufacturer, for an invention for—"Improvements in the manufacture of wadding." <i>Provisional protection only.</i>

- CLARK.
25th June 1862. 1862. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in ploughs."—*A communication to him from abroad by Mr. Celestin Peltier, junior, of 29, Boulevard St. Martin, Paris, Mechanician.*
Letters Patent sealed.
- HASELTINE.
25th June 1862. 1863. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, American Barrister-at-Law, for an invention for—"Improvements in vapourizing lamps for burning petroleum or coal oil."—*A communication to him from abroad by James Rhodes, of Cincinnati, Ohio, United States.*
Provisional protection only.
- TOLHAUSEN.
25th June 1862. 1864. FREDERICK TOLHAUSEN, Civil Engineer and Patent Agent, of No. 17, Rue du Faubourg Montmartre, Paris, for an invention for—"An improved lock or locking apparatus."—*A communication from Jean Georges Kast and Adolphe Dobler, two persons resident at No. 17, Rue du Faubourg, Montmartre, Paris.*
Provisional protection only.
- BAYLEY.
25th June 1862. 1865. ABRAHAM BAYLEY, of Liverpool, in the County of Lancaster, Oil Merchant, for an invention for—"Improvements in lamps." *Provisional protection only.*
- STEENSTRUP.
25th June 1862. 1866. CHRISTIAN COLLETT STEENSTRUP, of Horten, in the Kingdom of Norway, for an invention for—"An improved economical can or vessel for containing and delivering lubricating or other fluids." *Provisional protection only.*
- HUCH.
WINDHAUSEN.
25th June 1862. 1867. EDWARD HEINSON HUCH, of Brunswick, and FRANCIS JOSEPH WINDHAUSEN, of Duderstadt, in Hanover, for an invention for—"Improvements in caloric engines named 'fire-air engines.'"
Letters Patent sealed.
- WHITHAM.
25th June 1862. 1868. JOHN WHITHAM, of the Perseverance Iron Works, Leeds, in the County of York, Engineer, for an invention for—"Improvements in the apparatus used in working oil and other hydraulic presses." *Letters Patent sealed.*
- TURNER.
25th June 1862. 1869. GEORGE TURNER, of 13, Rose Terrace, Brompton, in the County of Middlesex, Machinist, for an invention for—"Improvements in mincing-apparatus, such improvements being also applicable to machines for grinding coffee and spices." *Letters Patent sealed.*
- DAVID.
25th June 1862. 1870. JUSTIN DAVID, of No. 20, Rue St. Fiacre, Paris, France, for an invention for—"An improved dynamometer for ascertaining the relative strength and elasticity of various kinds of threads and ropes." *Provisional protection only.*
- CLARK.
25th June 1862. 1871. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved frame for holding photographic pictures."—*A communication to him from abroad by Mr. Gustave Jeanne-Julien, of 29, Boulevard St. Martin, Paris, Professor of Singing.*
Letters Patent sealed.
- CLARK.
25th June 1862. 1872. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for raising the nap on cloth and other fabrics."—*A communication to him from abroad by Mr. Jules Stanislas Manchon, of 29, Boulevard St. Martin, Paris, Merchant.*
Provisional protection only.
- HUGHES.
26th June 1862. 1873. EDWARD THOMAS HUGHES, of the Firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in regulating or moderating the movement of the keys of piano-fortes."—*A communication to him from abroad by François Maury, Jacques Dumas, and Jean Aristide Dumas, Piano-forte Manufacturers, of Nîmes (Gard), France.*
Provisional protection only.
- PETERSON.
26th June 1862. 1874. GEORGE PETERSON, of Brompton Square, in the County of Middlesex, Actual Counsellor of State in the Russian Empire, for an invention for—"Improvements in apparatus for ascertaining the quantity and strength of spirits or other products obtained by the process of distillation."—*A communication to him from abroad by Theodore Steinberg, of Oseenovoy, Koost, near Saratof, in the Empire of Russia.*
Letters Patent sealed.

TEBBUTT. 26th June 1862.	1875. THOMAS RAINFORTH TEBBUTT, of Manchester, in the County of Lancaster, Soap Manufacturer, for an invention for—"Certain improvements in the manufacture of soap, soda and other materials employed for the purpose of washing and cleansing." <i>Letters Patent sealed.</i>
PARKES. 26th June 1862.	1876. JOHN PARKES, of London Steet, Paddington, in the County of Middlesex, Gas Engineer, for an invention for—"Improvements in gas lanterns." <i>Letters Patent sealed.</i>
COQUATRIX. 26th June 1862.	1877. JEAN BENJAMIN COQUATRIX, of Rue Folie Mericourt, Paris, in the Empire of France, Engineer, for an invention for—"Improvements in weaving carpets, tapestry and similar fabrics, and in apparatus for the same." <i>Letters Patent sealed.</i>
MARTIN. 26th June 1862.	1878. JULES MARTIN, of Route de Bordeaux, Perigueux, in the Empire of France, Engineer, for an invention for—"Improvements in reaping and mowing machines." <i>Provisional protection only.</i>
JOHNSON. 26th June 1862.	1879. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the construction of electro-voltaic plate work for medical and other purposes."— <i>A communication to him from abroad by Thomas Patten and Charles Mettam, both of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
JOHNSON. 26th June 1862.	1880. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"A new composite fluid to be used for illuminating purposes."— <i>A communication to him from abroad by Benjamin Hebard, of Dorchester, in the State of Massachusetts, United States of America.</i> <i>Provisional protection only.</i>
SMITH. 27th June 1862.	1881. ALEXANDER ANDERSON BLACK SMITH, of St. John's, in the Province of New Brunswick, British North America, at present residing at Islington, in the County of Middlesex, for an invention for—"Improvements in apparatus for steering ships and other vessels." <i>Provisional protection only.</i>
WATSON. 27th June 1862.	1882. JOHN WATSON, of No. 10, Old Bailey, in the City of London, Printer, for an invention for—"Improvements in printing machines and apparatus connected therewith for printing from letter-press forms." <i>Letters Patent sealed.</i>
COCHRANE. 27th June 1862.	1883. CHARLES COCHRANE, of the Ormesby Iron Works, Middlesbro'-on-Tees, for an invention for—"Improvements in the manufacture of aluminate of soda and potash." <i>Letters Patent sealed.</i>
HUNT. POCHIN. 27th June 1862.	1884. EDWARD HUNT, and HENRY DAVIS POCHIN, both of Salford, in the County of Lancaster, Chemists, for an invention for—"An improved condensing apparatus." <i>Letters Patent sealed.</i>
COCHRANE. 27th June 1862.	1885. CHARLES COCHRANE, of the Ormesby Iron Works, Middlesbro'-on-Tees, for an invention for—"Improvements in the manufacture of iron." <i>Provisional protection only.</i>
LORD. BROWN. 27th June 1862.	1886. JOSIAH LORD, of Todmorden, in the County of York, Machine Maker, and JOHN BROWN, of Burnley, in the County of Lancaster, Overlooker, for an invention for—"Certain improvements in power looms for weaving." <i>Letters Patent sealed; no specification filed.</i>
OWEN. 27th June 1862.	1887. WILLIAM OWEN, of the City of Coventry, Designer, for an invention for—"The manufacture of woven tickets of silk, cotton or wool or mixture of those materials, for the purpose of marking or advertising goods." <i>Provisional protection only.</i>
BROOMAN. 27th June 1862.	1888. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A method or methods of preparing paper for the reception of photographic pictures or impressions in order that the said pictures or impressions may be transferred to and fixed on wood, porcelain and other surfaces."— <i>A communication to him from abroad by Jean Théodore Dupuy, of 3, Passage du Desir, Paris, France.</i> <i>Letters Patent sealed.</i>

- MARTIN.
27th June 1862. 1889. ALEXANDER HENNAH MARTIN, of Buttershaw, near Bradford, in the County of York, Mechanic in the employ of Messrs. S. Bottomley, Bros., of the same place, Spinners and Manufacturers, for an invention for—"Improvements in means or apparatus employed in weaving." *Letters Patent sealed.*
- HOLDEN.
27th June 1862. 1890. ISAAC HOLDEN, of Bradford, in the County of York, Machine Wool Comber, for an invention for—"Improvements in means or apparatus for preparing and combing wool and other fibrous materials." *Letters Patent sealed.*
- CROLL.
27th June 1862. 1891. ALEXANDER ANGUS CROLL, of Coleman Street, in the City of London, Engineer, for an invention for—"Improvements in the treatment of ammoniacal liquor of gas works." *Letters Patent sealed.*
- BANKS.
27th June 1862. 1892. DANIEL LANCASTER BANKS, Engineer, the Roodee Iron Ship Building Company, Limited, No. 17, Grace Church Street, for an invention for—"A new method of constructing a portable covered coffer dam or apparatus for facilitating operations under the water, in the water or out of the water, and apparatus connected therewith." *Provisional protection only.*
- BANKS.
27th June 1862. 1893. DANIEL LANCASTER BANKS, Engineer, The Roodee Iron Ship Building Company, Limited, No. 17, Grace Church Street, for an invention for—"A method of constructing a portable sectional dry dock and apparatus connected therewith." *Provisional protection only.*
- MENNONS.
28th June 1862. 1894. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"Improved apparatus for the prevention and reduction of synovial and other swellings or tumours in the limbs of horses."—*A communication from Louis Rupert Wachter, a person resident at Versailles (Dept. de Seine-et-Oise), France.* *Complete specification; Letters Patent sealed.*
- KING.
KING.
28th June 1862. 1895. THOMAS KING, of Grafton, in the County of Warwick, Farmer, and JOHN KING, of Chadshunt, in the County of Warwick, Farmer, for an invention for—"Improvements in agricultural machines." *Provisional protection only.*
- BESLAY.
28th June 1862. 1896. CHARLES BESLAY, of Rue Menilmontant, Paris, in the Empire of France, Gentleman, for an invention for—"Improvements in galvanizing or coating metals by electro-chemical agency, and in apparatus connected therewith." *Letters Patent sealed.*
- HULSKAMP.
28th June 1862. 1897. GEORGE HENRY HULSKAMP, of Troy, State of New York, in the United States of America, and of 53, Chancery Lane, in the County of Middlesex, Piano Forte Maker, for an invention for—"Improvements in piano-fortes." *Letters Patent sealed.*
- GARNIER.
28th June 1862. 1898. JOHN GARNIER, of Devonport, in the County of Devon, Lieutenant in the Royal Engineers, for an invention for—"Improvements in ordnance and in projectiles." *Letters Patent sealed; specification filed by order.*
- BELDING.
28th June 1862. 1899. GEORGE WASHINGTON BELDING, of No. 7, King Street, Cheapside, in the City of London, for an invention for—"An improved flexible spring cloth or fabric especially adapted for the manufacture of ladies' skirts." *Provisional protection only.*
- CALLEBAUT.
28th June 1862. 1900. CHARLES CALLEBAUT, of 2, Rue Saint Appoline, Paris, France, and of 4, South Street, Finsbury, London, for an invention for—"Certain improvements in sewing-machines." *Letters Patent sealed.*
- TATHAM.
28th June 1862. 1901. JOHN TATHAM, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for preparing, spinning, doubling and winding cotton, wool and other fibrous materials." *Letters Patent sealed.*
- PETRIE.
28th June 1862. 1902. JAMES PETRIE, of Rochdale, in the County of Lancaster, Engineer, for an invention for—"Improvements in slide valves for steam-engines." *Letters Patent sealed; no specification filed.*
- WEBSTER.
28th June 1862. 1903. JOHN WEBSTER, of 142, Woodbridge Road, Ipswich, in the County of Suffolk, for an invention for—"Improvements in the means of protecting steam-boilers from incrustation." *Provisional protection only.*

THOMPSON. 28th June 1862.	1904. NATHAN THOMPSON, of No. 15, Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in apparatus for stopping bottles, jars and other vessels, and in instruments for applying and removing such stopping apparatus." <i>Provisional protection only.</i>
WALL. DODD. 30th June 1862.	1905. JOSEPH WALL, of Liverpool, in the County of Lancaster, Plumber, and THOMAS DODD, also of Liverpool, aforesaid, Glass Merchant, for an invention for—"Improvements in taps for controlling the flow or passage of fluids." <i>Letters Patent sealed.</i>
THOMAS. 30th June 1862.	1906. WILLIAM THOMAS, of Liverpool, in the County of Lancaster, Carriage Builder, for an invention for—"Improvements in the running gear of four-wheeled carriages." <i>Letters Patent sealed.</i>
HARTSHORN. 30th June 1862.	1907. JAMES HARTSHORN, of the Mansfield Road, Nottingham, Lace Manufacturer, for an invention for—"Improvements in the manufacture of lace." <i>Provisional protection only.</i>
BYRNES. 30th June 1862.	1908. AUNGEIR BYRNES, of 5, Metropolitan Buildings, Mile End New Town, London, Gunmaker, for an invention for—"Improvements in breech loading fire-arms." <i>Provisional protection only.</i>
GEDGE. 30th June 1862.	1909. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in looms for weaving."— <i>A communication to him from abroad by Alexandre Lenne Truffaut and Hubert Rimbault, both of Roubaix, in the Empire of France.</i> <i>Provisional protection only.</i>
MURRAY. 30th June 1862.	1910. WILLIAM FULLARTON MURRAY, of Glasgow, in the County of Lanark, North Britain, Potter, for an invention for—"Improvements in the manufacture of stoneware bottles and in apparatus connected therewith." <i>Provisional protection only.</i>
NEWTON. 30th June 1862.	1911. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus for picking or gathering cotton."— <i>A communication to him from abroad by John Jordan Eckel, of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
EASTON. DONKIN. 30th June 1862.	1912. WILLIAM EASTON, of Oakwellgate, Gateshead-on-Tyne, and GEORGE DONKIN, of Bill Quay, Gateshead-on-Tyne, in the County of Durham, for an invention for—"Improvements in lears or annealing chambers and apparatus used in annealing glass." <i>Letters Patent sealed.</i>
PARKER. 30th June 1862.	1913. THOMAS PARKER, of Woodhouse Carrs, Leeds, in the County of York, Dyer and Stover, for an invention for—"Improvements in tinting or dyeing fabrics composed of mixed animal and vegetable fibres." <i>Letters Patent sealed.</i>
PARKINSON. MARSLAND. 1st July 1862.	1914. JOHN PARKINSON, of Bury, in the County of Lancaster, Engineer, and JOHN MARSLAND, of Newchurch, in the same County, Engineer, for an invention for—"Improvements in apparatus for regulating the flow and pressure of steam and other fluids." <i>Provisional protection only.</i>
PRENTISS. 1st July 1862.	1915. ELIJAH FREEMAN PRENTISS, of Birkenhead, in the County of Chester, Carriage Manufacturer, for an invention for—"Improvements in the construction of omnibuses and other four wheeled vehicles." <i>Letters Patent sealed.</i>
POURPOINT. 1st July 1862.	1916. EDMOND POURPOINT, of No. 15, Passage des Petites Ecuries, in the City of Paris, in the Empire of France, Linen Draper, for an invention for—"An improved wool washing machine." <i>Provisional protection only.</i>
BROOMAN. 1st July 1862.	1917. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the construction of blast furnaces."— <i>A communication to him from abroad by Eugene Alexandre Frederic Goguel, of Audincourt, France.</i> <i>Letters Patent sealed.</i>
LUNGLEY. 1st July 1862.	1918. CHARLES LUNGLEY, of Deptford, in the County of Kent, Shipbuilder, for an invention for—"Improvements in constructing, building and working floating docks and other floating bodies, and in pumping apparatus to be employed therein." <i>Letters Patent sealed.</i>

BIRKBECK.
1st July 1862.

1919. GEORGE HENRY BIRKBECK, of the Firm of Tongue and Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents & Engineers, for an invention for—"Improvements in processes for the utilization of certain refuse products resulting from the manufacture of iron, such processes being applicable to the treatment of other metallic or mineral substances."—*A communication to him from abroad by Emmanuel Minary and Raymond Soudry, Civil Engineers, of Paris, in the Empire of France.*
Letters Patent sealed.

GREENHALGH.
GREENHALGH.
1st July 1862.

1920. JESSE GREENHALGH, of Hyde, in the County of Lancaster, Mechanic, and JAMES GREENHALGH, of Audenshaw, in the said County, Farmer, for an invention for—"An improved diminishing valve and also a water or steam escape apparatus to give alarm in case of fire and to assist in quenching the same."

Letters Patent sealed.

FELLOWES.
HEMFREY.
1st July 1862.

1921. THOMAS FELLOWES, and HENRY HEMFREY, both of Spalding, in the County of Lincoln, for an invention for—"Improvements in apparatus for elevating straw and other agricultural produce."

Provisional protection only.

DUNLOP.
1st July 1862.

1922. JOHN MACMILLIAN DUNLOP, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in cotton gins."

Letters Patent sealed.

NEWTON.
1st July 1862.

1923. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery for washing wool."—*A communication to him from abroad by Walter Davis Richards, of Boston, Massachusetts, United States of America.*

Letters Patent sealed.

DE LABASTIDA.
2nd July 1862.

1924. EUGENE DE LABASTIDA, of 43, Hart Street, Bloomsbury Square, W.C., London, in the County of Middlesex, England, for an invention for—"A new method of manufacturing india-rubber articles by the simultaneous combination of pressure and vulcanization."—*A communication from abroad to him by Messrs. Albert Cohen & Charles Vaillant, of Harbourg-upon-Elbe (Hanover).*

Letters Patent sealed.

PORTER.
2nd July 1862.

1925. WILLIAM PORTER, of Fleetwood, in the County of Lancaster, for an invention for—"Improvements in the manufacture of targets."

Provisional protection only.

JAMES.
2nd July 1862.

1926. JOHN JAMES, of Uskside Iron Works, Newport, in the County of Monmouth, Manufacturer of Steam Engines and Railway Plant, for an invention for—"An improved mode of welding railway crossings."

Letters Patent sealed.

ELLERBECK.
2nd July 1862.

1927. JOSEPH ELLERBECK, of Heywood, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in looms for weaving."

Provisional protection only.

JOHNSON.
2nd July 1862.

1928. BRYAN JOHNSON, of the City of Chester, Engineer, for an invention for—"Improvements in rope wheels for mines, collieries and other similar purposes."

Provisional protection only.

ATKINSON.
2nd July 1862.

1929. THOMAS LAMB ATKINSON, of Stamford Street, Blackfriars Road, County of Surrey, Wharfinger, for an invention for—"Improvements in the construction of stew pans and other such like cooking utensils."

Letters Patent sealed.

HULSKAMP.
2nd July 1862.

1930. GEORGE HENRY HULSKAMP, of Troy, State of New York, in the United States of America, and of 53, Chancery Lane, in the County of Middlesex, Piano-forte Maker, for an invention for—"Improvements in violins and other similar stringed instruments and in guitars."

Letters Patent sealed.

MURRAY.
2nd July 1862.

1931. JOHN MURRAY, of Whitehall Place, in the County of Middlesex, Solicitor, for an invention for—"Improvements in portmanteaus."

Letters Patent sealed.

STEEL.
2nd July 1862.

1932. JOHN STEEL, of Stirling, North Britain, Plumber, for an invention for—"Improvements in waterclosets."

Provisional protection only.

CRISP.
ELLIOTT.
2nd July 1862.

1933. JOSEPH CRISP, and JOSEPH WILLIAM ELLIOTT, of East King Street, South Shields, in the County of Durham, for an invention for—"Improvements in apparatus for burning American rock oil, paraffine oil, oil of petroleum and other inflammable oils, spirits or essences."

Letters Patent sealed.

WEBSTER. 2nd July 1862.	1934. JAMES WEBSTER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improved apparatus for the manufacture of gas for illumination." <i>Letters Patent sealed.</i>
BEDSON. 2nd July 1862.	1935. GEORGE BEDSON, of Manchester, in the County of Lancaster, Manager, for an invention for—"Improvements in rolling wire and other rods or bars of metal." <i>Letters Patent sealed.</i>
HETHERINGTON. JACKSON. 2nd July 1862.	1936. JOHN MUIR HETHERINGTON, of Manchester, in the County of Lancaster, Machine Maker, and THOMAS JACKSON, of Stockport, in the said County, Manager, for an invention for—"Improvements in machinery or apparatus for preparing, spinning and doubling cotton and other fibrous materials." <i>Letters Patent sealed.</i>
TURNER. TAYLOR. 3rd July 1862.	1937. THOMAS TURNER, Gun Manufacturer, of Fisher Street, Birmingham, in the County of Warwick, and WILLIAM TAYLOR, Engineer and Machinist, of Aston New Town, also in the said County, for an invention for—"Certain improvements in single and double breech-loading fire-arms." <i>Provisional protection only.</i>
BIRKBECK. 3rd July 1862.	1938. GEORGE HENRY BIRKBECK, of the Firm of Tongue & Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents & Engineers, for an invention for—"Improvements in the construction of mechanical horses."— <i>A communication to him from abroad by Mr. De Hamel, Equerry to His Majesty the King of Wurtemberg, of Stuttgart (in the Kingdom of Wurtemberg).</i> <i>Letters Patent sealed.</i>
GILBEE. 3rd July 1862.	1939. WILLIAM ARMAND GILBEE, of the Firm of L' de Fontaine Moreau and Gilbee, of No. 4, South Street, Finsbury, London, Patent Agent, for an invention for—"An improved manufacture of blue colouring matter."— <i>A communication to him from abroad by Messrs. Prosper Monnet and Henry Dury, Chemical Manufacturers, of Lyons, France.</i> <i>Letters Patent sealed.</i>
WILLIAMS. 3rd July 1862.	1940. WILLIAM MATTIEU WILLIAMS, of Handsworth, in the County of Stafford, Teacher, for an invention for—"Improvements in apparatus for the distillation of coal and peat and such other substances as are or may be used for the manufacture of solid and liquid volatile hydro-carbons." <i>Letters Patent sealed.</i>
EDMUNDS. 3rd July 1862.	1941. THOMAS EDMUNDS, of Seymour Place, Bryanston Square, in the County of Middlesex, Grocer, for an invention for—"Improvements in preparing compressed fruits in cakes." <i>Provisional protection only.</i>
DIXON. 3rd July 1862.	1942. THOMAS OGDEN DIXON, of Steeton, in the County of York, Bobbin Manufacturer, for an invention for—"Improvements in means or apparatus for heating or warming rooms or buildings with steam, and in carrying off the condensed steam or water therefrom." <i>Letters Patent sealed.</i>
MILES. 3rd July 1862.	1943. JAMES MILES, of Street, near Glastonbury, in the County of Somerset, for an invention for—"Improvements in machinery for cutting out soles and other parts used in the manufacture of boots and shoes, and also parts used in the manufacture of other articles." <i>Letters Patent sealed.</i>
RUSSELL. 4th July 1862.	1944. SAMUEL RUSSELL, of No. 27, Shaftesbury Crescent, Pimlico, in the County of Middlesex, for an invention for—"Improvements in stereoscopes." <i>Provisional protection only.</i>
CUNNINGHAM. 4th July 1862.	1945. WILLIAM JOHN CUNNINGHAM, of Everett Terrace, Victoria Dock Road, in the County of Essex, Outfitter, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
DREVELLE. 4th July 1862.	1946. ADOLPHE DREVELLE, of the City of Manchester, in the County of Lancaster, Merchant, for an invention for—"Improvements in machinery or apparatus for laying cards or sheets of metal into woven or textile fabrics ready for the press, and also for folding, measuring or stretching the said fabrics, paper and other materials." <i>Letters Patent sealed.</i>
WHITHAM. 4th July 1862.	1947. SAMUEL WHITHAM, of Wakefield, in the County of York, Iron Manufacturer, for an invention for—"Improvements in the manufacture of iron and steel and in the apparatus employed for that purpose."— <i>A communication to him from abroad by Thomas Wright, of Coldbrook Iron Works, St. John's, New Brunswick, North America.</i> <i>Provisional protection only.</i>

HOWARD.
BULLOUGH.
4th July 1862.

1948. JOHN HOWARD, and JOHN BULLOUGH, of Accrington, in the County of Lancaster, Iron Founders and Machine Makers, for an invention for—"Improvements in warping and beaming machines." *Letters Patent sealed.*

RUSHTON.
5th July 1862.

1949. HENRY RUSHTON, of 48A, Northampton Road, Clerkenwell, in the County of Middlesex, for an invention for—"Improvements in covering crinoline steels." *Provisional protection only.*

BROOMAN.
5th July 1862.

1950. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in hollow plates for hydraulic presses."—*A communication to him from abroad by Charles Felix Petit, Jules Emile Petit, Hippolyte Petit and Hyacinthe Leon Lemoult, all of Grenelle, near Paris, France.* *Letters Patent sealed.*

BYSTRÖM.
5th July 1862.

1951. OSCAR FREDRIK BYSTRÖM, of Stockholm, in the Kingdom of Sweden, Captain of Artillery, for an invention for—"An improved pyrometer." *Letters Patent sealed.*

HILL.
JACKSON.
5th July 1862.

1952. CHARLES GREY HILL, of Commerce Square, High Pavement, in the Town and County of the Town of Nottingham, Lace Manufacturer, and WILLIAM JACKSON, of the same Town, Engineer, for an invention for—"Improvements in machinery or apparatus for producing ornamental patterns or figures and attaching them to lace or other fabrics." *Letters Patent sealed.*

WARNER.
5th July 1862.

1953. ARTHUR WARNER, of 31, Threadneedle Street, in the City of London, for an invention for—"Improvements in preparing materials for and in purifying coal gas." *Letters Patent sealed.*

O'NEILL.
5th July 1862.

1954. PATRICK BENIGNUS O'NEILL, Gentleman, of Warwick Street, Regent Street, in the County of Middlesex, for an invention for—"Improvements in screw wrenches or spanners." *Letters Patent sealed.*

KIDD.
7th July 1862.

1955. JOSHUA KIDD, of Cannon Row, Westminster, in the County of Middlesex, Engineer, for an invention for—"Improvements in gas meters." *Letters Patent sealed.*

WESSELY.
7th July 1862.

1956. CHARLES WESSELY, of 22, Canterbury Place, Lambeth Road, in the County of Surrey, for an invention for—"Improvements in carriages." *Provisional protection only.*

EDWARDS.
7th July 1862.

1957. THOMAS EDWARDS, of Liverpool, in the County of Lancaster, Gas Engineer, for an invention for—"Improved movement for the indices for gas, water and other fluid meters." *Letters Patent sealed.*

McGEARY.
7th July 1862.

1958. JAMES McGEARY, of Salem, Massachusetts, U.S., now residing at Bayham Terrace, London, Middlesex, for an invention for—"Improvements in the manufacture of gas and the apparatus to be employed, for that purpose."—*Partly a communication from Mr. Edward Leman Norfolk, of Salem, Massachusetts, U.S.* *Letters Patent sealed and Specification filed by order.*

BOOTH.
7th July 1862.

1959. JOHN PETER BOOTH, of Cork, in the Kingdom of Ireland, Feather Purifier, for an invention for—"Improvements in the manufacture of feather beds, quilts, bolsters, and pillows." *Provisional protection only.*

SPENCE.
8th July 1862.

1960. WILLIAM SPENCE, of 50, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in telegraphic apparatus."—*A communication to him from abroad by Jean Didier Digney and Bastien Théodore Digney, both of Paris, in the Empire of France, Manufacturers of Telegraphic Apparatus.* *Letters Patent sealed.*

JOHNSON.
8th July 1862.

1961. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in wet gas meters."—*A communication to him from abroad by Joseph Jean Marçais, of Paris, in the Empire of France, Engineer.* *Letters Patent sealed.*

GRUNER.
8th July 1862.

1962. CARL BERNHARD GRUNER, of Fraunfeld, in the Republic of Switzerland, but at present residing at No. 25, Alfred Street, River Terrace, Islington, for an invention for—"Improvements in photographic apparatus." *Letters Patent sealed.*

BROWN. 8th July 1862.	1963. JOHN BROWN, of Middleton, in the County of Lancaster, Machinist, for an invention for—"An improved motion for actuating the doffers of carding-engines for carding cotton and other fibrous substances." <i>Provisional protection only.</i>
RUSSELL. 8th July 1862.	1964. JOSEPH RUSSELL, junior, of Manchester, in the County of Lancaster, Canvasser and Clerk, for an invention for—"An improved arrangement and method of indication to be employed in railway and other time-tables." <i>Provisional protection NOT granted.</i>
SLATFORD. 8th July 1862.	1965. CHARLES SLATFORD, in the employment of Meyer Meyer, of Cannon Street West, in the City of London, Manufacturer, for an invention for—"Improvements in trimmings, tufts, and other articles for ornamental and decorative purposes." <i>Provisional protection only.</i>
RIGBY. 8th July 1862.	1966. JOHN RIGBY, of Suffolk Street, in the City of Dublin, Ireland, Gunmaker, for an invention for—"Improvements in breech-loading guns, and in extracting cartridges from such guns, and also in wind sights for fire-arms." <i>Provisional protection only.</i>
CHILD. 8th July 1862.	1967. ORANGE WATSON CHILD, of the City, County and State of New York, of the United States of America, for an invention for—"A new and useful composition to be used in shaft journal boxes."— <i>A communication to him by John Absterdam, now residing at New York, in the County and State aforesaid.</i> <i>Complete specification; Letters Patent sealed.</i>
BOURKE. 8th July 1862.	1968. JOSEPH ROURKE, of Her Majesty's 29th Regiment of Foot, of Curragh-leagh, Clanmorris, Ireland, for an invention for—"Improvements in military accoutrements." <i>Provisional protection only.</i>
WETHERED. 8th July 1862.	1969. HENRY WETHERED, of Bristol Colliery, Proprietor, for an invention for—"Improvements in the construction of handles, latches or fastenings for doors, gates and windows." <i>Letters Patent sealed.</i>
WIGGINTON. 9th July 1862.	1970. WILLIAM LAWRENCE WIGGINTON, of No. 4, Clifton Cottages, Hammer-smith, in the County of Middlesex, for an invention for—"An improved method of and apparatus for curing smoky chimneys." <i>Provisional protection only.</i>
GILLE. 9th July 1862.	1971. JEAN MARIE GILLE, of No. 24, Rue du Mont Thabor, Paris, in the Empire of France, Knight of the Imperial Legion of Honor, for an invention for—"An improved calendar inkstand." <i>Complete specification; Letters Patent sealed.</i>
GIBSON. 9th July 1862.	1972. THOMAS CUMMINGS GIBSON, of Ramsey, Isle of Man, Ship Builder, for an invention for—"Improvements in the construction of ships and vessels for the purpose of carrying and warehousing petroleum, palm oil, and other oils or inflammable fluids." <i>Provisional protection only.</i>
GILBEY. 9th July 1862.	1973. ALFRED GILBEY, of Oxford Street, London, County of Middlesex, Wine Merchant, for an invention for—"Improvements in apparatus for washing and cleansing bottles." <i>Letters Patent sealed.</i>
PONTIFEX. 9th July 1862.	1974. HENRY SALTMARSH PONTIFEX, of Banbury, in the County of Oxford, Brewer, for an invention for—"Improvements in apparatus for distributing water applicable to cleansing casks or other vessels or for other purposes." <i>Letters Patent sealed.</i>
RHODES. 9th July 1862.	1975. JOSEPH RHODES, of Morley, near Leeds, in the County of York, Machine Maker, for an invention for—"Improvements in rag machines."— <i>A communication to him from abroad from John Schafroth, of the Firm of "Hubler and Schafroth," of Bourgdorf, Switzerland.</i> <i>Letters Patent sealed.</i>
RUST. 9th July 1862.	1976. CHARLES FREDERICK WILLIAM RUST, of London Wall, in the County of Middlesex, Merchant, for an invention for—"Improvements in concertinas and other wind instruments of that class."— <i>A communication to him from abroad by Ferdinand Glier of Klingenthal, in the Kingdom of Saxony.</i> <i>Letters Patent sealed.</i>
ESCHWEGE. 9th July 1862.	1977. HERMANN ESCHWEGE, of 14, Mincing Lane, in the City of London, for an invention for—"Improvements in purifying wood and other vinegar." <i>Letters Patent sealed.</i>
BOUSFIELD. 9th July 1862.	1978. GEORGE TOMLINSON BOUSFIELD, of the Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in washing-machines."— <i>A communication to him from abroad by Joseph Short, a person resident at Salem, Massachusetts, United States of America.</i> <i>Provisional protection only.</i>

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| <p>HINDLEY.
9th July 1862.</p> <p>GREEN.
MATHERS.
9th July 1862.</p> <p>EVERS.
9th July 1862.</p> <p>BUTLER.
9th July 1862.</p> <p>REYNOLDS.
10th July 1862.</p> <p>JAUDEAU.
10th July 1862.</p> <p>KELLOGG.
10th July 1862.</p> <p>MANDER.
10th July 1862.</p> <p>BONNELL.
10th July 1862.</p> <p>PONTI.
10th July 1862.</p> <p>BIDDLE.
10th July 1862.</p> <p>TOWNSEND.
10th July 1862.</p> <p>LEEMING.
10th July 1862.</p> <p>STEELE.
10th July 1862.</p> | <p>1879. EDMUND SAMUEL HINDLEY, of Bourton, in the County of Dorset, for an invention for—"Improvements in apparatus used when circulating hot water for warming dwellinghouses and other places, which apparatus may be used for cooling and condensing."
<i>Provisional protection only.</i></p> <p>1880. THOMAS GREEN, of the Smithfield Iron Works, Leeds, in the County of York, and ROBERT MATHERS, of 2, Victoria Street, in the City of London, for an invention for—"Improvements in steam-boilers."
<i>Letters Patent sealed.</i></p> <p>1881. SVEN VICTOR EVERS, of No. 80, Lower Thames Street, in the City of London, for an invention for—"Improvements in the preparation of beverages."—<i>The result partly of communication from abroad made to him by John Robert Alsing, of Smedjibacken, in the Kingdom of Sweden, and partly of invention and discovery made by himself.</i>
<i>Provisional protection only.</i></p> <p>1882. JOHN OCTAVIUS BUTLER, of the Kirkstall Forge Company, near Leeds, in the County of York, Engineer, for an invention for—"Improvements in steam hammers and in framings therefor."
<i>Provisional protection only.</i></p> <p>1883. WILLIAM FRANCIS REYNOLDS, of the Commercial Road, in the County of Middlesex, for an invention for—"An improved watch pendant."
<i>Provisional protection only.</i></p> <p>1884. EMILE JAUDEAU, of No. 1, Guilford Road, Brighton, in the County of Sussex, Professor of Languages, for an invention for—"An improved method of and apparatus for removing the bad flavor from alcohols distilled from grain, beet root or other vegetables, and for extracting the whole of the alcohol contained in the fermented juice."
<i>Letters Patent sealed.</i></p> <p>1885. HENRY KELLOGG, of New Haven, in the County of New Haven, and State of Connecticut, United States of America, for an invention for—"Improvements in breech loading fire-arms and cartridges therefor."
<i>Letters Patent sealed.</i></p> <p>1886. JOSEPH MANDER, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in crochet needles and crochet needle holders."
<i>Letters Patent sealed.</i></p> <p>1887. ANN BONNELL, of Hethpool Street, Maida Hill, in the County of Middlesex, for an invention for—"Improvements in churns."—<i>A communication to her from abroad by William Bonnell, of Montreal, Canada East, British North America.</i>
<i>Provisional protection only.</i></p> <p>1888. JOSEPH PONTI, of Venice, in the Empire of Austria, but now residing at No. 112, New Bond Street, in the County of Middlesex, for an invention for—"An improved apparatus for viewing photographic pictures, and the preparation of photographic pictures to be used in such apparatus."—<i>A communication to him from abroad by Carlo Ponti, residing at Venice, in the Empire of Austria, Optician.</i>
<i>Provisional protection only.</i></p> <p>1889. EDWARD JOHN BIDDLE, of the City, County and State of New York, United States of America, now residing at the Grosvenor Hotel, Pimlico, County of Middlesex, Engineer, for an invention for—"The use of petroleum or coal oil as fuel, and also for the machinery and apparatus to be employed for this purpose."
<i>Provisional protection only.</i></p> <p>1890. ELMER TOWNSEND, of the State of Massachusetts, of the United States of America, for an invention for—"A new and useful invention for making nails and driving such nails into the sole of a boot or shoe."—<i>A communication to him by Joseph Foster Sargent, now residing at Boston, of the State aforesaid.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>1891. JOHN LEEMING, of North Holme Mills, Bradford, in the County of York, for an invention for—"Improvements in jacquard or index machines."
<i>Letters Patent sealed.</i></p> <p>1892. DANIEL STEELE, of Bunhill Row, Finsbury, in the County of Middlesex, Builders' Foreman, for an invention for—"Improvements in the method of flushing or distributing the water in pans or basins applicable to waterclosets, urinals, wash hand basins or other purposes."
<i>Provisional protection only.</i></p> |
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FARRA. 10th July 1862.	1993. THOMAS FARRA, of Manchester, in the County of Lancaster, Salesman for Messrs. Postal, Broadhurst and Lee, Manufacturers, for an invention for—"Improvements in wearing-apparel called skirts or petticoats and frocks." <i>Provisional protection only.</i>
JOHNSON. 10th July 1862.	1994. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in braiding-machines."— <i>A communication to him from abroad by Thomas James Sloan, of Paris, in the Empire of France, Engineer.</i> <i>Letters Patent sealed.</i>
HILL. 11th July 1862.	1995. JOHN REED HILL, Engineer, of 7, Duke Street, Adelphi, London, for an invention for—"An improved governor for the engines of steam vessels." <i>Provisional protection only.</i>
CORNALL. GRIFFITHS. 11th July 1862.	1996. MATTHEW CORNALL, of the City of Manchester, in the County of Lancaster, Doubler, and EVAN GRIFFITHS, of the same place, Yarn Agent, for an invention for—"Improvements in doubling, twisting and reeling threads and yarns of cotton and other fibrous materials." <i>Provisional protection only.</i>
WATHMAN. 11th July 1862.	1997. JOSEPH WATHMAN, of the City of Manchester, in the County of Lancaster, Flax Spinner, for an invention for—"Improvements in machinery or apparatus for carding flax, tow or other fibrous materials." <i>Letters Patent sealed.</i>
ASHTON. 11th July 1862.	1998. WILLIAM ASHTON, of Manchester, in the County of Lancaster, Machinist, for an invention for—"Certain improvements in machinery employed in the manufacture of 'braids' and similar articles, parts of which improvements are also applicable to machinery used in spinning fibrous substances." <i>Letters Patent sealed.</i>
ORR. 11th July 1862.	1999. JOHN ORR, of Glasgow, in the County of Lanark, North Britain, Manager, for an invention for—"Improvements in weaving piled fabrics and in the machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
MILLER. 11th July 1862.	2000. JAMES MILLER, of Lambeth, in the County of Surrey, Gentleman, for an invention for—"Improvements in apparatus for steering ships and other vessels." <i>Letters Patent sealed.</i>
BLISS. 11th July 1862.	2001. WILLIAM BLISS, of Chipping Norton, Oxon, Woollen Manufacturer, for an invention for—"Improvements in heating ores and in generating steam, and also in the apparatus employed therein."— <i>A communication to him from abroad by David Wilkinson, resident at Prahran, near Melbourne, Victoria.</i> <i>Letters Patent sealed.</i>
GREEN. GREEN. 12th July 1862.	2002. CHARLES EDMOND GREEN, of 13, Blandford Street, Portman Square, in the County of Middlesex, and JOHN GREEN, of Windermere Cottage, Winchmore Hill, Edmonton, in the said County of Middlesex, for an invention for—"Improvements in breech loading fire-arms." <i>Letters Patent sealed.</i>
LEES. BEARD. 12th July 1862.	2003. JOHN PIPLER LEES, and JOHN BEARD, both of Ashton-under-Lyne, in the County of Lancaster, Machine Makers, for an invention for—"Certain improvements in carding-engines." <i>Provisional protection only.</i>
ABRAHAM. 12th July 1862.	2004. JOHN ABRAHAM, of Birmingham, in the County of Warwick, Machinist and Manufacturer, for an invention for—"Improvements in presses for raising or shaping metals." <i>Provisional protection only.</i>
HUNT. 12th July 1862.	2005. JACOB HUNT, of Queen's Mill, Preston, in the County of Lancaster, for an invention for—"Improvements in the process of sizing and drying yarns or threads and in the apparatus employed in such process." <i>Provisional protection only.</i>
MENNON. 12th July 1862.	2006. MARC ANTOINE FRANÇOIS MENNON, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"Certain improvements in vessels mounted as floating batteries."— <i>A communication from Jean Antoine Alexis Cambon de la Valette, a person resident at Montauban (Dépt. de Tarn-et-Garonne), in France.</i> <i>Complete specification; Letters Patent sealed.</i>

- HILL.**
12th July 1862. 2007. THOMAS HILL, of Hampton House, Great Warley, in the County of Essex, Brewer, for an invention for—"Improvements in the arrangements employed for the protection of markers at rifle butts, and in the means employed in indicating the score and position of the shot, and wiping out the shot mark."
Letters Patent sealed.
- HUGHES.**
12th July 1862. 2008. EDWARD THOMAS HUGHES, of the Firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"An improved system of winding or rolling silk thread on moulds or bobbins and placing them in suitable boxes."—*A communication to him from abroad by Félicité and Ernest Jaricot, of the Firm of Widow Jaricot and Son, of Lyons, France.*
Provisional protection only.
- JOHNSON.**
12th July 1862. 2009. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in machinery or apparatus for washing ores and minerals."—*A communication to him from abroad by Victor Jules Baron and Albert Denis Baron, of Paris, in the Empire of France, Engineers.*
Letters Patent sealed.
- GEDGE.**
12th July 1862. 2010. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of hats."—*A communication to him from abroad by Pierre St. Spés, of Podensac, in the Department of the Gironde, France.*
Provisional protection only.
- PLASSAN.**
12th July 1862. 2011. PIERRE PLASSAN, Doctor, of Tours, in the Departement of Indre et Loire, in the Empire of France, for an invention for—"An improved orthopædic apparatus for straightening the human frame."
Provisional protection only.
- BATEMAN.**
12th July 1862. 2012. DANIEL BATEMAN, of Low Moor, near Bradford, in the County of York, Card Manufacturer, for an invention for—"Improvements in the manufacture of 'card cloth' used for carding wool and other fibrous substances."
Letters Patent sealed.
- BARBER.**
DE GARRS.
12th July 1862. 2013. HENRY BARBER, Spring Knife Cutler, of No. 60, Thomas Street, and HENRY DE GARRS, Brass and Wood Turner, of No. 34, Pomona Street, both in the Township of Ecclesall, Bierlow, Sheffield, in the County of York, for an invention for—"Improvements in rolling iron, steel and other metals for cutlery tools and other purposes."
Letters Patent sealed.
- COCHRANE.**
12th July 1862. 2014. The Honorable WILLIAM ERKSINE COCHRANE, of Osnaburgh Terrace, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in railway fastenings."
Letters Patent sealed.
- TAYLOR.**
12th July 1862. 2015. ELIZA TAYLOR, of 167, Regent Street, London, W., for an invention for—"Improvements in the manufacture of buttons."
Provisional protection only.
- LOWRY.**
14th July 1862. 2016. GEORGE LOWRY, of Salford, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery for carding and cleaning cotton and other fibrous materials."
Letters Patent sealed.
- GEDGE.**
14th July 1862. 2017. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved portable or stationary steam lift and force pump."—*A communication to him from abroad by Francois Escapat, of No. 15, Passage des Petites Ecuries, Paris, France, Boiler Manufacturer.*
Provisional protection only.
- GANNAL.**
14th July 1862. 2018. ADOLPHE ANTOINE GANNAL, of Paris, in the French Empire, M.D., for an invention for—"Certain improvements in the manufacture of bituminous cement."
Provisional protection only.
- CROSSLEY.**
CROSSLEY.
14th July 1862. 2019. CHARLES CROSSLEY, and JAMES WILLIAM CROSSLEY, of Halifax, in the County of York, for an invention for—"Improvements in means or apparatus employed in washing and finishing textile fabrics."
Letters Patent sealed.
- PARTRIDGE.**
14th July 1862. 2020. SAMUEL PARTRIDGE, of Darlaston, in the County of Stafford, Surgeon, for an invention for—"Improvements in railway signals."
Letters Patent sealed.

SANDERSON. SANDERSON. 14th July 1862.	2021. PETER SANDERSON, and ROBERT SANDERSON, both of Galashiels, in the County of Selkirk, North Britain, Manufacturers, for an invention for—"Improvements in the manufacture of woven fabrics and in the machinery or apparatus employed therein." <i>Provisional protection only.</i>
MAY. 14th July 1862.	2022. WILLIAM GLADSTONE MAY, of Glasgow, in the County of Lanark, North Britain, Cabinet Maker, for an invention for—"Improvements in apparatus for extending tables." <i>Provisional protection only.</i>
CANONICAT. 14th July 1862.	2023. PAUL ANTOINE LUCIEN CANONICAT, of Marseille (France), Rue des Petite Pères, No. 50, Civil Engineer, for an invention for—"Improvements in filtering water and in apparatus employed therein." <i>Letters Patent sealed.</i>
FAWCUS. 14th July 1862.	2024. GEORGE FAWCUS, of North Shields, in the County of Northumberland, Shipbuilder, for an invention for—"Improvements in building boats." <i>Letters Patent sealed.</i>
PARKES. 14th July 1862.	2025. FREDERICK MAJOR PARKES, of Plumstead, in the County of Kent, Gentleman, for an invention for—"Improvements in the manufacture of gas for lighting and heating, and in apparatus employed in the said manufacture." <i>Letters Patent sealed.</i>
DRAKE. 14th July 1862.	2026. OLIVER PERRY DRAKE, of the State of Massachusetts, of the United States of America, for an invention for—"A new and useful or improved apparatus for vaporizing and aerating a liquid hydro-carbon to be burned for illumination or for other purposes." <i>Letters Patent sealed.</i>
RIDLEY. JONES. 14th July 1862.	2027. ROBERT RIDLEY, of Morlin, near Leeds, in the County of York, and JAMES GRAFTON JONES, of No. 4, Cambridge Villas, Battersea, in the County of Surrey, for an invention for—"Improvements in machinery and apparatus for ventilating mines and other places." <i>Letters Patent sealed.</i>
LESLIE. 15th July 1862.	2028. ALEXANDER LESLIE, of Turriff, in the County of Aberdeen, North Britain, Bank Agent and Farmer, for an invention for—"Improvements in apparatus for applying steam or other motive-power to cultivate the soil and to actuate wheeled carriages." <i>Letters Patent sealed.</i>
COUVREUX. 15th July 1862.	2029. ALPHONSE COUVREUX, of 333, Rue Saint Martin, Paris, in the Empire of France, and of 42, Bridge Street, Blackfriars, London, Contractor, for an invention for—"An improved centrifugal apparatus for breaking stones." <i>Letters Patent sealed.</i>
GREEN. 15th July 1862.	2030. JOHN GREEN, of Newtown, in the Parish of St. Martin, in the County of Worcester, Agriculturist, for an invention for—"Improvements in the method and means of producing signals, and in the application of the same particularly to steam ploughs or cultivators." <i>Letters Patent sealed.</i>
COUVREUX. 15th July 1862.	2031. ALPHONSE COUVREUX, of 333, Rue Saint Martin, Paris, in the Empire of France, and of 42, Bridge Street, Blackfriars, London, Contractor, for an invention for—"An improved centrifugal apparatus for casting stones and other materials, and in forming embankments and other structures." <i>Letters Patent sealed.</i>
DRAPER. THOMAS. 15th July 1862.	2032. EDWARD DRAPER, of Birmingham, in the County of Warwick, and EDWARD THOMAS, of the same place, for an invention for—"A new or improved method of strengthening wooden shutters and doors." <i>Provisional protection only.</i>
DICKENS. HEWITT. 15th July 1862.	2033. WILLIAM DICKENS, of Salford, in the County of Lancaster, Machine Maker, and JOHN HEWITT, of the City of Manchester, in the said County, Machinist, for an invention for—"Improvements in selfacting and hand mules employed in spinning cotton and other fibrous materials." <i>Letters Patent sealed.</i>
CRAWLEY. FOSTER. 15th July 1862.	2034. CHARLES EDWARD CRAWLEY, of 17, Gracechurch Street, in the City of London, and FREDERICK FOSTER, of 7, Ashley Crescent, City Road, in the County of Middlesex, for an invention for—"Improvements in safety or miners' lamps." <i>Letters Patent sealed.</i>
GHISLIN. 15th July 1862.	2035. THOMAS GOULSTON GHISLIN, of Hatton Garden, in the City of London, Importer, for an invention for—"Improvements in the treatment or preparation of British and foreign algæ and the application of the same to various branches of the arts and manufactures." <i>Letters Patent sealed.</i>

- JOHNSON.
TAYLOR.
16th July 1862. 2036. BRYAN JOHNSON, of the City of Chester, Engineer, and EDWARD HENRY TAYLOR, of Coed Talon, near Mold, in the County of Flint, Engineer, for an invention for—"Improvements in rope wheels, cages and tanks used for mines, collieries and other similar purposes." *Provisional protection only.*
- SELBY.
16th July 1862. 2037. GEORGE THOMAS SELBY, of Smethwick, in the County of Stafford, Tube Manufacturer, for an invention for—"Improvements in apparatus for superheating in tubes and tubular articles, and in machinery for the manufacture thereof." *Letters Patent sealed.*
- BODMER.
16th July 1862. 2038. LOUIS RUDOLPH BODMER, of No. 2, Thavies Inn, Holborn, in the City of London, for an invention for—"Improvements in apparatus for winding up watches and other time keepers."—*A communication to him from abroad by Auguste Rossel, of the Firm of H. Grand-Jean & Co., of Locle, in the Republic of Switzerland.* *Provisional protection only.*
- HENSON.
CLAY.
16th July 1862. 2039. WILLIAM HENSON, of the Town and County of Nottingham, Engineer, and WILLIAM WILLIAMS CLAY, of Sneinton, in the County of Nottingham, Mechanist, for an invention for—"Improvements in knitting-machinery and in apparatus connected therewith." *Letters Patent sealed.*
- NEWTON.
16th July 1862. 2040. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in sewing-machines."—*A communication to him from abroad by Nicholas Wilkins, of Chicago, County of Cook, State of Illinois, United States of America.* *Letters Patent sealed.*
- SANDERSON.
16th July 1862. 2041. CHARLES SANDERSON, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in the manufacture of crinoline or crinoline steel." *Provisional protection only.*
- DUNN.
16th July 1862. 2042. ROBERT DUNN, of Newcastle-upon-Tyne, Engineer, for an invention for—"Improvements in furnaces for steam-boilers and other purposes." *Letters Patent sealed.*
- KURTS.
17th July 1862. 2043. MANILIAS KURTS, of 151, Bishopsgate Street Without, of the Firm of Kurts and Jacobs, of 47, and 48, Half Moon Street, Bishopsgate Street Without, for an invention for—"A new or improved material to be used in the manufacture of handles for umbrellas, parasols and walking sticks." *Letters Patent sealed.*
- DICKSON.
17th July 1862. 2044. JAMES DICKSON, of 66, Tollington Road, Holloway, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of caustic soda and carbonate of soda." *Letters Patent sealed.*
- APPLEBY.
17th July 1862. 2045. HENRY APPLEBY, of Tavistock Place, Plumstead, in the County of Kent, Serjeant Major in Her Majesty's Royal Body Guard, for an invention for—"Improvements in armour plates for ships of war, floating and land batteries and other like purposes." *Provisional protection only.*
- HARKNESS.
17th July 1862. 2046. JOHN GILLISON HARKNESS, of Birkenhead, in the County of Chester, Storekeeper, for an invention for—"An improved safety handle for winches, cranes and other like machines." *Provisional protection only.*
- SCHLOSS.
17th July 1862. 2047. JOSEPH SCHLOSS, of Cannon Street, in the City of London, Manufacturer, for an invention for—"Improvements in pouches." *Provisional protection only.*
- DAFT.
17th July 1862. 2048. THOMAS BARNABAS DAFT, of No. 2, Queen Square, Westminster, for an invention for—"Improvements in the manufacture of mats and other surfaces where vulcanized india-rubber is employed." *Letters Patent sealed.*
- DAFT.
17th July 1862. 2049. THOMAS BARNABAS DAFT, of No. 2, Queen Square, Westminster, for an invention for—"Improvements in the manufacture of vulcanized india rubber thread." *Letters Patent sealed.*
- GOSSAGE.
18th July 1862. 2050. WILLIAM GOSSAGE, of Widnes, in the County of Lancaster, Chemist, for an invention for—"An improved method of and apparatus for decomposing chloride of sodium and chloride of potassium for the production of compounds of soda and potassa." *Letters Patent sealed.*

WILLCOCK.
18th July 1862.

2051. JOSEPH WILLCOCK, of 89, Chancery Lane, in the County of Middlesex, Patent Agent and Consulting Engineer, for an invention for—"A new ornamental fabric and the machinery for producing the same."—*A communication to him from abroad by Amos Hanes Boyd, of Medway, County of Norfolk, and State of Massachusetts, United States of North America.*
Letters Patent sealed.

MORRILL.
18th July 1862.

2052. OSCAR FITZALAN MORRILL, of the State of Massachusetts, of the United States of America, for an invention for—"A certain new and useful apparatus for generating heat for culinary or various other purposes."

Complete specification; Letters Patent sealed.

STOTT.
18th July 1862.

2053. FREDERICK LUKE STOTT, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements applicable to mechanism or apparatus for warping yarns or threads."

Provisional protection only.

ABBOTT.
18th July 1862.

2054. JOSEPH RICHARD ABBOTT, of Birmingham, in the County of Warwick, Lamp Manufacturer, for an invention for—"Improvement in sliding chandeliers, gaseliers and other pendent lamps."

Letters Patent sealed.

JARVIS.
18th July 1862.

2055. JOHN STEPHEN JARVIS, one of the Managers for Dent, Allcroft, Lycett and Company, of Wood Street, in the City of London, Warehouseman, for an invention for—"Improvements in shirt collars."

Provisional protection only.

BROOMAN.
18th July 1862.

2056. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in generating heat in furnaces and fire-places."—*A communication to him from abroad by William Elijah Hagan, of Troy, United States of America, Chemist.*

Letters Patent sealed.

DAY.
SUMMERS.
18th July 1862.

2057. CHARLES ARTHUR DAY, and THOMAS SUMMERS, both of Northam Iron Works, in the Town and County of Southampton, Engineers, for an invention for—"Improvements in sheer legs."

Letters Patent sealed.

BROWN.
19th July 1862.

2058. ANDREW BETTS BROWN, Engineer, of Castle Farm, Stockport, in the County of Cheshire, for an invention for—"Improvements in steam-engines and boilers."

Letters Patent sealed.

YATES.
TINDALL.
19th July 1862.

2059. GEORGE JOHN YATES, of Liverpool, in the County of Lancaster, Chemist, and JOHN WILLIAM WARD TINDALL, also of Liverpool, aforesaid, Chemist, for an invention for—"A process of deodorizing paraffin, coal, pitch, rock and other like oils and hydro-carbons."

Letters Patent sealed.

BARRETT.
19th July 1862.

2060. ROBERT BARRETT, of Stepney, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for working the damper of steam-engine furnaces."

Letters Patent sealed.

BROOMAN.
19th July 1862.

2061. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in revivifying animal black, in apparatus employed therein, and in recovering a product employed in the revivification."—*A communication to him from abroad by Absalon Hippolyte Leplay and Jules Francois Joseph Cuisinier, both of Paris, France.*

Letters Patent sealed.

COTELLE.
19th July 1862.

2062. ALPHONSE COTELLE, of Saint Quentin, in the Empire of France, Distiller, for an invention for—"Improvements in the manufacture of alcohol."

Letters Patent sealed.

PRATT.
19th July 1862.

2063. ALFRED PRATT, of Devonshire Place, Wandsworth Road, in the County of Surrey, for an invention for—"Improvements in self-capping fire-arms."

Provisional protection only.

NEWTON.
19th July 1862.

2064. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in ordnance and projectiles for the same."—*A communication to him from abroad by Albert Hamilton Emery, of the City and State of New York, United States of America.*

Letters Patent sealed.

NEWTON.
19th July 1862.

2065. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for preparing fibrous substances for combing."—*A communication to him from abroad by Antoine Louis Warnery, of Rue St. Sebastien, Paris, in the Empire of France.*

Letters Patent sealed.

SAUNDERS. MILLBOURN. 19th July 1862.	2066. THOMAS HARRY SAUNDERS, of Phoenix Mills, Dartford, in the County of Kent, Paper Manufacturer, and JOSEPH MILLBOURN, of the same place, Manager, for an invention for—"Improvements in the manufacture of paper." <i>Letters Patent sealed.</i>
TRANTER. 19th July 1862.	2067. WILLIAM TRANTER, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in firearms." <i>Letters Patent sealed.</i>
RAMSAY. 21st July 1862.	2068. CHARLES RAMSAY, of New Bond Street, in the County of Middlesex, Army Clothier, for an invention for—"An improved military cloak." <i>Provisional protection only.</i>
GREEN. 21st July 1862.	2069. JAMES WILLIAM GREEN, of the Firm of E. G. Zimmerman & Co., of No. 2, St. Paul's Buildings, Little Carter Lane, in the City of London, for an invention for—"An improved method of cutting sheet and plate glass to any given design, giving the finished form the brightest polish possible."— <i>A communication to him from abroad by Carl Heckert, of 33, Kronen Strasse, Berlin, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i>
BASIN. 21st July 1862.	2070. ERNEST BASIN, of Angers, in the Department of Maine et Loire, in the Empire of France, Engineer, for an invention for—"An improved electric railway carriage signal." <i>Letters Patent sealed.</i>
GEDGE. 21st July 1862.	2071. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved excavating or boring apparatus."— <i>A communication to him from abroad by Antoine Trouillet, of Xertigny, Vosges, France, Contractor.</i> <i>Letters Patent sealed.</i>
DAVEY. 21st July 1862.	2072. THOMAS DAVEY, of Tuckingmill, in the County of Cornwall, Gunpowder Manufacturer, for an invention for—"Improvements in the manufacture of gunpowder and explosive compounds." <i>Letters Patent sealed.</i>
FELL. 21st July 1862.	2073. ALEXANDER MORRISON FELL, of Auchanhard, in the County of Linlithgow, North Britain, Manufacturing Chemist, for an invention for—"Improvements in obtaining or manufacturing sulphate of ammonia and manure." <i>Provisional protection only.</i>
NAUDAIN. PEACOCK. WALTON. 21st July 1862.	2074. ANDREW NAUDAIN, of the Town of West Farms, County of West Chester, and State of New York, JAMES PEACOCK, of the Town of Morrisania, County of West Chester, and State of New York, and WILLIAM HENRY WALTON, of the City, County, and State of New York, in the United States of America, for an invention for—"Improvements in looms for weaving all kinds of textile fabrics." <i>Provisional protection only.</i>
CLARK. 21st July 1862.	2075. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved pomade or balsam."— <i>A communication to him from abroad by Mr. Achille Barborin, of 29, Boulevard St. Martin, Paris, Dentist.</i> <i>Letters Patent sealed.</i>
PHILLIPS. 21st July 1862.	2076. ANDREW PHILLIPS, of Glasgow, in the County of Lanark, North Britain, Gentleman, for an invention for—"Improvements in looms for weaving figured fabrics." <i>Provisional protection only.</i>
MERITON. 22nd July 1862.	2077. THOMAS MERITON, of Hamburgh, Engineer, for an invention for—"Improvements in steam-engine governors and speed regulators for machinery." <i>Letters Patent sealed.</i>
LORD. LORD. 22nd July 1862.	2078. SIMEON LORD, Machinist, and JOHN LORD, Manager, both of Facit, near Rochdale, in the County of Lancaster, for an invention for—"Improvements in carding-engines." <i>Letters Patent sealed.</i>
CASSEGRAIN. 22nd July 1862.	2079. PAUL FRANÇOIS CASSEGRAIN, of Paris, France, Gentleman, for an invention for—"Improvements in fire-arms." <i>Letters Patent sealed.</i>
FOURNIER. 22nd July 1862.	2080. AUGUSTE FOURNIER, Upholsterer, of 18, Maddox Street, in the County of Middlesex, and 5, Rue de Seze, Paris, for an invention for—"Improvements in the manufacture of easy chairs, seats for railway and other carriages, and other kinds of seats and mattresses." <i>Letters Patent sealed.</i>

SMITH. 22nd July 1862.	2081. DOCTOR WILLIAM SMITH, of Over Darwen, in the County of Lancaster, Weaver, for an invention for—"Certain improvements in power-loom for weaving." <i>Provisional protection only.</i>
DANIELS. 22nd July 1862.	2082. JOSEPH DANIELS, of Leigh, in the County of Lancaster, Manure Manufacturer, for an invention for—"Certain improvements in artificial manure." <i>Letters Patent sealed.</i>
GROGAN. 22nd July 1862.	2083. RODERICK GROGAN, of 22, Westbourne Gardens, Bayswater, for an invention for—"Improvements in screw propellers of steam vessels and in the arrangement thereof." <i>Letters Patent sealed.</i>
GEDGE. 22nd July 1862.	2084. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved instrument for marking wadded or other stuffs."— <i>A communication to him from abroad by Alphonse Mestre, of Toulouse, France.</i> <i>Provisional protection only.</i>
CROFTS. 22nd July 1862.	2085. WILLIAM CROFTS, of New Lenton, near Nottingham, Lace Manufacturer, for an invention for—"Improvements in the manufacture of fabrics by lace machinery and in the means or apparatus employed therein." <i>Provisional protection only.</i>
SUMMONS. 22nd July 1862.	2086. HENRY RICHARD SUMMONS, of Navarino Terrace, Dalston Road, in the County of Middlesex, for an invention for—"An improved apparatus for bordering envelopes, paper and cards." <i>Provisional protection only.</i>
SUMMONS. 22nd July 1862.	2087. HENRY RICHARD SUMMONS, of Navarino Terrace, Dalston Road, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for bordering envelopes, paper and cards." <i>Provisional protection only.</i>
KING. 22nd July 1862.	2088. THOMAS KING, of Truman's Brewery, Spitalfields, in the County of Middlesex, for an invention for—"Improvements in apparatus for measuring malt, grain and other granular substances." <i>Letters Patent sealed.</i>
PAYNE. 22nd July 1862.	2089. GEORGE PAYNE, of Grantham, in the County of Lincoln, Shoeing Smith, for an invention for—"Improvements in horse shoes." <i>Provisional protection only.</i>
JOHNSON. 22nd July 1862.	2090. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the treatment of the noxious gases or vapours produced in the distillation or purification of tar."— <i>A communication to him from abroad by Pierre Louis Joseph Semet, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
VAUTIER. 22nd July 1862.	2091. ANTOINE CONSTANT VAUTIER, at Paris, Town in the French Empire, for an invention for—"Improvements in obtaining fibrous materials and in manufacturing paper pulp, also in preparing, bleaching and treating fibrous materials and fibrous and textile fabrics, and in producing agents used in part of the invention." <i>Letters Patent sealed.</i>
HALEY. 22nd July 1862.	2092. JOHN JAY HALEY, of South Dedham, State of Massachusetts, United States of America, now residing at No. 7, King Street, Cheapside, in the City of London, Merchant, for an invention for—"An improved machine for wringing clothing and other woven fabrics."— <i>Partly his own invention and partly the result of a communication to him from abroad by William Rhoads, of South Dedham, aforesaid.</i> <i>Letters Patent sealed.</i>
KEENE. 23rd July 1862.	2093. CHARLES JOSEPH KEENE, of 10, Shrewsbury Villas, Bayswater, in the County of Middlesex, for an invention for—"A new or improved winding apparatus for raising and lowering canvas on easels." <i>Letters Patent sealed.</i>
COLBURN. 23rd July 1862.	2094. ZERAH COLBURN, of Number 15, Tavistock Street, Bedford Square, in the County of Middlesex, Mechanical Engineer, for an invention for—"Improvements in apparatus for the condensation of steam in steam-engines." <i>Provisional protection only.</i>
DUTTON. 23rd July 1862.	2095. EDWARD KENWORTHY DUTTON, of Stretford, in the County of Lancaster, Mechanical Draughtsman, for an invention for—"Certain improvements in steam-engines." <i>Provisional protection only.</i>

- VIGNON.
23rd July 1862. 2096. ALPHONSE VIGNON, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Major in the Corps of Engineers, in the Empire of France, for an invention for—"Improvements in the means and apparatus for extinguishing fires either on land or water."—*The result partly of a communication made to him from abroad by François Carlier, Doctor of Medicine, residing at Boulogne-sur-Seine, in the Empire of France, and partly of an invention and discovery made by himself.* Letters Patent sealed.
- CLARK.
23rd July 1862. 2097. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of manure."—*A communication to him from abroad by Mr. Alfred Francois Mosselman, of 29, Boulevard Saint Martin, Paris, Manager of the Western Lime Burning Company.* Letters Patent sealed.
- ALCAN.
23rd July 1862. 2098. EMILE ALCAN, of Coleman Street Buildings, in the City of London, Merchant, for an invention for—"Improvements in machines for combing and carding wool and other filamentous materials."—*A communication to him from abroad by Celestin Martin, of Pepinster, Belgium.* Provisional protection only.
- BELL.
23rd July 1862. 2099. ROBERT BELL, of Westland Row, Dublin, Esquire, for an invention for—"Improvements in the manufacture of bricks."—*A communication to him from abroad by Joseph Mamelin, resident at Boulogne-sur-Mer, in the Empire of France.* Letters Patent sealed.
- LEETCH.
MATHEW.
24th July 1862. 2100. JAMES LEETCH, Gun Maker, of St. Marylebone, County of Middlesex, and BROWNLOW MATHEW, Gentleman, of St. James', Middlesex, for an invention for—"New and improved methods of protecting the surfaces of iron or other metal work from oxidation, incrustations or accumulations of any kind, more especially in the cases of ships' bottoms, steam-boilers, and machinery." Letters Patent sealed.
- DICKSON.
24th July 1862. 2101. JAMES DICKSON, of 66, Tollington Road, Holloway, in the County of Middlesex, Gentleman, for an invention for—"Improvements in treating copper ores and solutions of copper to obtain copper therefrom." Letters Patent sealed.
- HORTON.
24th July 1862. 2102. JOHN HORTON, of New York, in the United States of America, but now residing at Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in breech-loading fire-arms."—*A communication to him from abroad by Joseph Reeder, of Salem, in the State of Ohio, in the United States of America.* Provisional protection only.
- CLISSOLD.
24th July 1862. 2103. WILLIAM CLISSOLD, of Dudbridge, in the County of Gloucester, Engineer, for an invention for—"An improved mode of manufacturing cylinders." Letters Patent sealed.
- RAWSON.
STAPLES.
24th July 1862. 2104. HENRY RAWSON, of Leicester, Manufacturer, and FREDERICK STAPLES, of Leicester, Mechanic, for an invention for—"Improvements in machinery for combing wool and other fibres." Letters Patent sealed.
- LEMAISTRE.
24th July 1862. 2105. TOUSSAINT LEMAISTRE, Architect, of Paris, 3, Rue de Grammont, for an invention for—"Improvements in privies." Letters Patent sealed.
- CLARKE.
24th July 1862. 2106. JOHN GOFFE CLARKE, of Brackley, in the County of Northampton, for an invention for—"Improvements in scythes." Letters Patent sealed.
- PERKIN.
24th July 1862. 2107. WILLIAM HENRY PERKIN, of Seymour Villa, Sudbury, in the County of Middlesex, for an invention for—"Improvements in printing and dyeing when aniline and analogous coal tar dyes are employed, also in preparing colouring matters."—*A communication to him from abroad by Alexandre Schultz, a person resident at No. 11, Rue St. Fiacre, Paris.* Letters Patent sealed.
- CLARK.
24th July 1862. 2108. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in machinery for the manufacture of fishing and other nets."—*A communication to him from abroad by Messrs. Felix Marie Baudouin and Achille Baudouin, Civil Engineers, and Jean Baptiste Francois Jouannin, Mechanician, all of 29, Boulevard St. Martin, Paris.* Letters Patent sealed.

HENRY. 24th July 1862.	2109. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for retarding and stopping carriages especially applicable to railway carriages, and in disconnecting-apparatus for carriages."— <i>A communication to him from abroad by Charles Fray Vincent Paul Amédée Varenne, Louis Casimir Descouleur and Sabin Joseph Cazier, all of 33, Boulevard Saint Martin, Paris, France.</i> <i>Provisional protection only.</i>
JOWETT. 25th July 1862.	2110. HENRY ALFRED JOWETT, of Sawley, in the County of Derby, Civil Engineer, for an invention for—"Improvements in obtaining motive-power and in transmitting the same from place to place, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
REDGATE. REDGATE. 25th July 1862.	2111. JAMES REDGATE, of Sneinton, in the County of Nottingham, Lace Manufacturer, and HERBERT REDGATE, of Stoney Street, in the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in machinery or apparatus for the manufacture of fabrics on bobbin net or twist lace machines." <i>Letters Patent sealed.</i>
ANDERSON. 25th July 1862.	2112. JAMES ANDERSON, of Allan Bank, near Braco, in the County of Perth, North Britain, Starch Manufacturer, for an invention for—"Improvements in separating gluten from starch and in preparing gluten for food." <i>Letters Patent sealed.</i>
ROBERTSON. 25th July 1862.	2113. PETER ROBERTSON, of Glasgow, in the County of Lanark, North Britain, Merchant, for an invention for—"Improvements in producing brushing or frictional surfaces." <i>Letters Patent sealed.</i>
{CLARK. 25th July 1862.	2114. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved apparatus for decanting wine."— <i>A communication to him from abroad by Mr. Joseph Nicolas Montain Liézar, of 29, Boulevard St. Martin, Paris, Locksmith.</i> <i>Letters Patent sealed.</i>
SEYMOUR. HATCHER. 25th July 1862.	2115. JAMES SEYMOUR, of Queenstown, in the County of Cork, Wine and Spirit Merchant, and DANIEL GEORGE HATCHER, of the Town and County of Southampton, Yacht Builder, for an invention for—"Improvements in steering ships and in apparatus for the same." <i>Provisional protection only.</i>
CLARK. 25th July 1862.	2116. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in rafts or structures applicable for the ordinary purposes of marine and inland navigation, as also for saving life in cases of shipwreck or otherwise."— <i>A communication to him from abroad by Messieurs Louis François Rojare and Louis Charles Edouard Rojare, Father and Son, both of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
MANZINI. 25th July 1862.	2117. VINCENZO MANZINI, of Modena, in the Kingdom of Italy, Engineer, for an invention for—"Certain improvements in the construction of locomotive engines used on railways, for facilitating and controlling the ascent and descent of locomotive engines and trains on inclined planes of lines of railway, and for simplifying the construction of locomotives used on railways." <i>Provisional protection only.</i>
COMFORT. 25th July 1862.	2118. EBENEZER COMFORT, of Richmond Terrace, Grosvenor Park, Camberwell, in the County of Surrey, for an invention for—"Improvements in watch-protectors." <i>Provisional protection only.</i>
LAHOUSSE. 25th July 1862.	2119. ADOLPHUS LAHOUSSE, of Brussels, in the Kingdom of Belgium, Mechanician, now residing at Lupas Street, Pimlico, in the County of Middlesex, for an invention for—"An improved construction of railway wheel." <i>Letters Patent sealed.</i>
TYSALL, 25th July 1862.	2120. EPHRAIM TYSALL, of Riding House Street, Portland Place, in the County of Middlesex, Electro Plater, for an invention for—"An improved manufacture of fork." <i>Letters Patent sealed.</i>
SAGAR. ROCLIFF. 25th July 1862.	2121. THOMAS SAGAR, of Burnley, in the County of Lancaster, Machinist, and JOHN ROCLIFF, of the same place, Moulder, for an invention for—"Improvements in moulding." <i>Letters Patent sealed.</i>

- NEWTON.**
26th July 1862. **2122.** ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of attaching armour plates to ships."—*A communication to him from abroad by Thomas Shaw, of the City and County of Philadelphia, State of Pennsylvania, United States of America.*
Provisional protection only.
- CLARK.**
26th July 1862. **2123.** WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in obtaining or extracting silver from ores and other bodies and in apparatus for the same."—*A communication to him from abroad by Messieurs Charles Edouard Auguste Vattier, Civil Engineer, and Alfred Joseph Gustave Becourt, Chemist, both of 29, Boulevard St. Martin, Paris.*
Provisional protection only.
- SELWYN.**
26th July 1862. **2124.** JASPER HENRY SELWYN, of Woodland Craig, Grassmere, in the County of Westmoreland, Captain in the Royal Navy, for an invention for—"Improvements in apparatus employed in paying out and raising electric telegraph cables."
Letters Patent sealed.
- LONG.**
26th July 1862. **2125.** THOMAS LONG, of 2, Clarendon Place, Notting Hill, in the County of Middlesex, House Decorator, for an invention for—"Improvements in the manufacture of open metal work applicable to various useful purposes."
Provisional protection only.
- LOW.**
DUFF.
26th July 1862. **2126.** ROBERT LOW and WILLIAM DUFF, of Dundee, in the County of Forfar, North Britain, Brassfounders, for an invention for—"Improvements in apparatus or means for producing an adjustable pressure on certain parts of machinery."
Letters Patent sealed.
- WALTON.**
MOORE.
28th July 1862. **2127.** JOSEPH WALTON, of No. 335, Strand, in the County of Middlesex, Turkish Bath Builder, and JAMES MOORE, of 11, Upper Berkeley Street, Portman Square, in the said County, Veterinary Surgeon, for an invention for—"Improvements in the mode of ventilating and heating rooms, Turkish baths, hothouses and buildings of all kinds."
Letters Patent sealed.
- BOLLINGER.**
28th July 1862. **2128.** HENRY BOLLINGER, of the Teesdale Iron Works, Stockton-on-Tees, in the County of York, Engineer, for an invention for—"Improvements in machines employed in ship building, part of which are also applicable to other purposes."
Letters Patent sealed.
- EDDY.**
28th July 1862. **2129.** CHARLES WALTER EDDY, of 8, Warwick Terrace, Belgrave Road, in the Parish of St. George's, Hanover Square, Middlesex, for an invention for—"Improvements in the means of impeding the entrance of ships and vessels and in particular of screw ships into channels."
Provisional protection only.
- SPENCE.**
28th July 1862. **2130.** WILLIAM SPENCE, of 50, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the preparation of a red colouring matter."—*A communication to him from abroad by Nicholas Philibert Guinon, Jean Aimé Marnas, and François Bonnet, all of Lyons, in the Empire of France, Manufacturers.*
Letters Patent sealed.
- DEVLAN.**
28th July 1862. **2131.** PATRICK SARSFIELD DEVLAN, of the Commercial Foundry, Commercial Street, Manchester, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in the manufacture of telegraphic cables."
Provisional protection only.
- SPENCE.**
28th July 1862. **2132.** WILLIAM SPENCE, of 50, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the preparation of a blue colouring matter."—*A communication to him from abroad by Nicholas Philibert Guinon, Jean Aimé Marnas and François Bonnet, all of Lyons, in the Empire of France, Manufacturers.*
Letters Patent sealed.
- FAVRICHON.**
28th July 1862. **2133.** THEODORE ANTOINE FAVRICHON, of St. Symphorien de Lay, in the Department of the Loire, in the Empire of France, Merchant, for an invention for—"An apparatus for the speedy and economical heating of baking-ovens and also for using their excess of heat."
Letters Patent sealed.
- MAUGHAM.**
28th July 1862. **2134.** WILLIAM MAUGHAM, of Prospect Place, Wandsworth Road, in the County of Surrey, for an invention for—"Improvements in the manufacture of effervescent beverages."
Letters Patent sealed.

COOK. 28th July 1862.	2135. THOMAS COOK, of Manor Place, Walworth, in the County of Surrey, Machinist, for an invention for—"Improvements in apparatus employed in the manufacture of envelopes." <i>Letters Patent sealed.</i>
NOBLE. 28th July 1862.	2136. ALFRED NOBLE, of Bristol, in the County of Gloucester, Analytical Chemist, for an invention for—"Improvements in obtaining and treating compounds of alumina." <i>Letters Patent sealed.</i>
FOURDRINIER. 28th July 1862.	2137. JOSEPH FOURDRINIER, of Grove Terrace, Peckham, in the County of Surrey, Gentleman, for an invention for—"Improvements in apparatus for removing knots from pulp." <i>Letters Patent sealed; no specification filed.</i>
ELLIS. 28th July 1862.	2138. JOHN ELLIS, of Whitham, in the Town or Borough of Kingston-upon-Hull, in the County of the same Town or Borough, Corn Factor and Dryer, for an invention for—"Improvements in apparatus for washing corn and other grain." <i>Provisional protection only.</i>
SELBY. 28th July 1862.	2139. FRASER SELBY, of Surbiton, in the County of Surrey, Engineer, for an invention for—"Improvements in surface condensers." <i>Letters Patent sealed.</i>
HEDGELY. 28th July 1862.	2140. HENRY HEDGELY, of Great College Street, Camden Town, in the County of Middlesex, for an invention for—"Improvements in lamps." <i>Letters Patent sealed.</i>
BURNETT. 28th July 1862.	2141. EDMUND BURNETT, of Ashford, in the County of Kent, Coach Builder, for an invention for—"An improved combined cart and sleigh." <i>Letters Patent sealed.</i>
JULLION. 28th July 1862.	2142. JOHN LOUIS JULLION, Chemist, Low Fell, Gateshead-on-Tyne, Durham, for an invention for—"An improvement in antichloride for paper making." <i>Provisional protection NOT granted.</i>
SIEMENS. 28th July 1862.	2143. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in gas-engines." <i>Provisional protection only.</i>
THOMPSON. 29th July 1862.	2144. ROSEWELL THOMPSON, of Boston, in the County of Suffolk, and State of Massachusetts, of the United States of America, for an invention for—"A new and useful improvement in lock-stitch sewing-machines." <i>Complete specification; protection for SIX months only.</i>
COLBURN. 29th July 1862.	2145. ZERAH COLBURN, of No. 15, Tavistock Street, Bedford Square, in the County of Middlesex, Mechanical Engineer, for an invention for—"Improvements in steam pumping engines." <i>Letters Patent sealed.</i>
MACKENZIE. 29th July 1862.	2146. JAMES MACKENZIE, of Arundel Square, Islington, County of Middlesex, Engineer, for an invention for—"Improvements in shaping machines for curvilinear surfaces." <i>Provisional protection only.</i>
BOYLE. WARWICK. 29th July 1862.	2147. ARTHUR BOYLE, of Birmingham, in the County of Warwick, Tool Maker and THOMAS WARWICK, of Birmingham, aforesaid, Machinist, for an invention for—"Improvements in the manufacture of the ribs and stretchers of umbrellas and parasols, and in machinery to be employed in the said manufacture." <i>Letters Patent sealed.</i>
HUGHES. 29th July 1862.	2148. EDWARD THOMAS HUGHES, of the Firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"An improved process of refining the slag from blast, puddling and other furnaces, and the employment of the refined material for mortar, stones, slabs, ornaments and other similar articles."— <i>A communication to him from abroad by Emil Langen, of Siegburg, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>
DEVLAN. 29th July 1862.	2149. PATRICK SARSFIELD DEVLAN, of The Commercial Foundry, Commercial Street, Manchester, in the County of Lancaster, Engineer, for an invention for—"An improved composition to be employed for covering projectiles and the internal and external surfaces of vessels, which is also applicable to the manufacture of tubing and to other useful and ornamental purposes." <i>Provisional protection only.</i>
NORRIS. 29th July 1862.	2150. JAMES NORRIS, of the Firm of Messrs. Charles Jeakes and Compy., Great Russell Street, Bloomsbury, in the County of Middlesex, for an invention for—"Improvements in the arrangement or construction of ovens." <i>Letters Patent sealed.</i>

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| <p>BURGESS.
29th July 1862.</p> <p>WALDIE.
29th July 1862.</p> <p>MAPPLE.
MAPPLE.
29th July 1862.</p> <p>CLARK.
29th July 1862.</p> <p>HENRY.
29th July 1862.</p> <p>NOCK.
30th July 1862.</p> <p>WARLICH.
30th July 1862.</p> <p>GEDGE.
30th July 1862.</p> <p>HYDE.
HYDE.
30th July 1862.</p> <p>BAILEY.
30th July 1862.</p> <p>WHITE.
30th July 1862.</p> <p>WANKLYN.
30th July 1862.</p> <p>BENYON.
30th July 1862.</p> <p>BIRKBECK.
30th July 1862.</p> | <p>2151. CHARLES THOMAS BURGESS, of Brentwood, in the County of Essex, Engineer, for an invention for—"An improved stand for beer and other casks."
<i>Letters Patent sealed.</i></p> <p>2152. GEORGE WALDIE, of Linlithgow, in the County of Linlithgow, North Britain, Printer, for an invention for—"Improvements in color printing, and in the machinery or apparatus employed therein."
<i>Provisional protection only.</i></p> <p>2153. JAMES MAPPLE, of 2, Newman's Place, Kentish Town, in the County of Middlesex, and DANIEL MAPPLE, of 3, Queen's Road, Homerton New Town, in the County of Middlesex, aforesaid, Telegraph and Clock Makers, for an invention for—"Improvements in telegraphic apparatus."
<i>Provisional protection only.</i></p> <p>2154. EDWARD BEEL CLARK, of Lower Polgooth, in the Parish of Saint Ewe, in the County of Cornwall, for an invention for—"Improvements in the manufacture of candles and in apparatus employed therein."
<i>Provisional protection only.</i></p> <p>2155. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in obtaining fibrous materials and paper pulp, in treating, cleansing and scouring fibrous materials and fabrics manufactured thereof, in producing soap for the said operations, and in obtaining products from liquors used therein."—<i>A communication to him from abroad by Jean Baptiste Vasseur and Victorien Joseph Janssens, both of 33, Boulevard Saint Martin, Paris, France.</i>
<i>Letters Patent sealed.</i></p> <p>2156. GEORGE NOCK, of Brierley Hill, in the County of Stafford, Steel and Iron Manufacturer, for an invention for—"A new or improved safety or moveable self-acting crossing for railways."—<i>A communication to him from abroad by Joseph Wood, of Jersey City, New Jersey, in the United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>2157. FERDINAND CHARLES WARLICH, of 10, Alma Terrace, New Cross, in the County of Kent, Gentleman, for an invention for—"Improvements in machinery for dressing and shaping stone."—<i>A communication to him from abroad by Joseph-Bouton, of Brussels, Mechanic.</i>
<i>Provisional protection only.</i></p> <p>2158. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved means or apparatus for securing the safety of trains moving on railways."—<i>A communication to him from abroad by Louis Eugène Jamet and Paul Jamet, both of No. 15, Passage des Petites Ecuries, Paris, France.</i>
<i>Letters Patent sealed.</i></p> <p>2159. JOSEPH HYDE, of Bradbury, in the County of Chester, and JESSIA HYDE, of the same place, Engineers, for an invention for—"Certain improvements in governors for steam-engines, water-wheels, mills and for other similar purposes."
<i>Provisional protection only.</i></p> <p>2160. BENJAMIN BAILEY, of Leicester, Machinist, for an invention for—"Improvements in means or apparatus for cutting chaff and other vegetable matters, which improvements are also applicable to cutting or mowing short or lawn grass."
<i>Letters Patent sealed.</i></p> <p>2161. HORATIO WHITE, of Hampstead Road, in the County of Middlesex, for an invention for—"Improvements in shirt collars."
<i>Complete specification ; Letters Patent sealed.</i></p> <p>2162. WILLIAM WANKLYN, of the Albion Mills, Bury, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in apparatus for opening and conditioning East Indian and other tightly compressed cottons."
<i>Letters Patent sealed.</i></p> <p>2163. JOHN BENYON, of Swinton, near the City of Manchester, Manager, for an invention for—"Certain improvements in looms for weaving."
<i>Letters Patent sealed.</i></p> <p>2164. GEORGE HENRY BIRKBECK, of the Firm of Tongue and Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents and Engineers, for an invention for—"Improvements in the means or processes employed for preserving timber from decay or destruction."—<i>A communication to him from abroad by George Huwitz, Gas Engineer, of Copenhagen, in the Kingdom of Denmark.</i>
<i>Letters Patent sealed.</i></p> |
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CLARK. 30th July 1862.	2185. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in gas-burners." — <i>A communication to him from abroad by Mr. Jean Jovet, of 29, Boulevard St. Martin, Paris, Merchant.</i> <i>Letters Patent sealed.</i>
HOLT. STOTT. 30th July 1862.	2186. THOMAS HOLT, File Manufacturer, and FREDERICK LUKE STOTT, Machine Maker, both of Rochdale, in the County of Lancaster, for an invention for—"An improved composition or compositions for protecting polished surfaces of iron and steel against oxidation, and for renewing and improving the polish of such surfaces." <i>Provisional protection only.</i>
NORMAN. 30th July 1862.	2187. WILLIAM NORMAN, of Manchester, in the County of Lancaster, Cabinet Maker, for an invention for—"Improvements in tables and drawers or other sliding receptacles." <i>Letters Patent sealed.</i>
DIXON. 30th July 1862.	2188. JAMES WILLIS DIXON, junior, of Sheffield, in the County of York, for an invention for—"Improvements in coffee urns." <i>Letters Patent sealed.</i>
WOODFORD. 30th July 1862.	2189. JOHN WYMAN WOODFORD, of Sutherland Street, Walworth, in the County of Surrey, for an invention for—"Improvements in machinery for raising or forcing water." <i>Letters Patent sealed.</i>
PRENTISS. ROBERTSON. 31st July 1862.	2170. ELIJAH FREEMAN PRENTISS, of Birkenhead, in the County of Chester, Chemist, and ROBERT ADAM ROBERTSON, of Liverpool, in the County of Lancaster, Brewers' and Distillers' Engineer, for an invention for—"Improvements in obtaining products from rock oil, coal, coal tar and other like mineral substances, in a more or less pure and deodorized state, and in the apparatus to be used therefor and which is also applicable to distillation in general." <i>Letters Patent sealed.</i>
WEILD. 31st July 1862.	2171. WILLIAM WEILD, of the City of Manchester, Engineer, for an invention for—"Improvements in machines for cutting, shaping, rolling, drilling, screwing, milling and fluting metals." <i>Letters Patent sealed.</i>
RANSOM. RANSOM. 31st July 1862.	2172. JOSHUA RANSOM and EDWIN RANSOM, of Kempston, in the County of Bedfordshire, Millers, for an invention for—"Improvements in mounting mill-stones." <i>Letters Patent sealed.</i>
BEDELLS. 31st July 1862.	2173. CALEB BEDELLS, of Leicester, for an invention for—"Improvements in the manufacture of braces." <i>Letters Patent sealed.</i>
BOUSFIELD. 31st July 1862.	2174. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of fluids suitable for burning in lamps and for other uses."— <i>A communication to him from abroad by Charles Tyler, a person resident at Buffalo, in the County of Erie, and State of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 31st July 1862.	2175. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for planing metal."— <i>A communication to him from abroad by William Sellers, of the City of Philadelphia, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 31st July 1862.	2176. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in lubricating-compounds."— <i>A communication to him from abroad by Eli Emery Hendrick, of the City, County and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
LIST. 1st August 1862.	2177. JAMES LIST, of Carisbrooke, in the Isle of Wight, for an invention for—"An improved means of and [instruments for obtaining distances and heights and distances between distant objects without computation." <i>Provisional protection only.</i>
SINCLAIR. 1st August 1862.	2178. JOHN SINCLAIR, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improved arrangements for ventilating and in part applicable for fumigating." <i>Provisional protection only.</i>
LEE. 1st August 1862	2179. DAVID THORPE LEE, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"An improvement or improvements in ornamenting surfaces of wood and of papier mâché." <i>Provisional protection only.</i>

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| <p>HASELTINE.
1st August 1862.</p> <p>BIDDELL.
1st August 1862.</p> <p>ONIONS.
1st August 1862.</p> <p>NURSE.
NURSE.
1st August 1862.</p> <p>MARSH.
1st August 1862.</p> <p>PLEVINS.
RIDER.
1st August 1862.</p> <p>NEWTON.
1st August 1862.</p> <p>WEBB.
1st August 1862.</p> <p>ONION.
2nd August 1862.</p> <p>BRIGGS.
2nd August 1862.</p> <p>GRAY.
2nd August 1862.</p> <p>WILSON.
PICARD.
2nd August 1862.</p> <p>WARNE.
2nd August 1862.</p> <p>COLES.
JAQUES.
FANSHAWE.
2nd August 1862.</p> | <p>2180. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, American Barrister-at-Law, for an invention for—"Improvements in apparatus for drying grain, gunpowder and other granular substances."—<i>A communication to him from abroad by Daniel Curtis Rand and Mortimer Wadsham, both of Perington, New York, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>2181. GEORGE ARTHUR BIDDELL, of Ipswich, in the County of Suffolk, Mechanical Engineer, for an invention for—"Improvements in railway crossings."
<i>Letters Patent sealed.</i></p> <p>2182. JOHN COLLINGWOOD ONIONS, of Birmingham, in the County of Warwick, Portable Forge Manufacturer, for an invention for—"Improvements in portable forges."
<i>Letters Patent sealed.</i></p> <p>2183. ROBERT NURSE, of Machen, near Newport, and DAVID NURSE, the younger, of Pontymister, both in the County of Monmouth, for an invention for—"An improved annealing pot."
<i>Letters Patent sealed.</i></p> <p>2184. JOHN EDWIN MARSH, of Birmingham, in the County of Warwick, Rivet Manufacturer, for an invention for—"An improvement or improvements in metal rivets used in joining or securing together parts of boots, shoes and other articles of leather, and also in machinery for making such rivets."
<i>Letters Patent sealed.</i></p> <p>2185. CHARLES HENRY PLEVINS, of Dunston Hall, in the County of Derby, Colliery Owner, and HENRY RIDER, of Rotherham, in the County of York, Colliery Engineer, for an invention for—"Improvements in the construction of colliery waggons, tubs or corves, and in apparatus for tipping or discharging the same."
<i>Letters Patent sealed.</i></p> <p>2186. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in projectiles for ordnance and small arms, and in the wads or sabôts to be used therewith."—<i>A communication to him from abroad by Horace Hollister Day, of New York City, Michael Ritner, of Vincennes, Indiana, and Josiah Newell Bird, of Trenton, New Jersey, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>2187. THOMAS GEORGE WEBB, of Manchester, in the County of Lancaster, Glass Manufacturer, for an invention for—"Improvements in the manufacture of flint glass."
<i>Letters Patent sealed.</i></p> <p>2188. THOMAS ONION, of Calais, in the Empire of France, Engineer, for an invention for—"Improvements in rotary steam-engines, and in propellers adapted to propelling vessels in water."
<i>Letters Patent sealed.</i></p> <p>2189. JAMES BRIGGS, of Blackley, in the County of Lancaster, Engraver and Manufacturer, for an invention for—"Improvements in the manufacture of belts, webs, braids, tapes, laces and other similar articles produced by weaving, plaiting or twisting."
<i>Letters Patent sealed.</i></p> <p>2190. JAMES GRAY, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improved arrangements for cleaning ships' bottoms and for preventing the fouling thereof."
<i>Letters Patent sealed.</i></p> <p>2191. EDWARD BROWN WILSON, of Parliament Street, in the City of Westminster, Engineer, and MAURICE PICARD, of Lyons, in the Empire of France, Engineer, for an invention for—"Improvements in the manufacture of iron and steel."
<i>Provisional protection only.</i></p> <p>2192. CHARLES WARNE, of Syleham Mills, near Scole, in the County of Norfolk, for an invention for—"Improvements in the manufacture of linen drabbett."
<i>Provisional protection only.</i></p> <p>2193. GEORGE COLES, of Gresham Street West, in the City of London, Merchant, and JAMES ARCHIBALD JAQUES, Chemist, and JOHN AMERICUS FANSHAWE, Engineer, both of Tottenham, in the County of Middlesex, for an invention for—"Improvements in the manufacture of grinding and polishing tools and surfaces."
<i>Letters Patent sealed.</i></p> |
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DENNY. DENNY. 4th August 1862.	2194. ABRAHAM DENNY, and EDWARD MAYNARD DENNY, both of Waterford, Ireland, Merchants, for an invention for—"Improvements in the manufacture of bacon." <i>Letters Patent sealed.</i>
SIMON. 5th August 1862.	2195. SIEGFRIED SIMON, of Tuilerie Street, Hackney Road, in the County of Middlesex, for an invention for—"An improvement in ornamenting ladies' and childrens' slippers." <i>Provisional protection only.</i>
THOMA. 5th August 1862.	2196. JOSEPH THOMA, of Bingen, Hohenzollern, in the Kingdom of Prussia, but at present residing at 35, Poland Street, Oxford Street, in the County of Middlesex, for an invention for—"An improved self-adjusting screw wrench." <i>Provisional protection only.</i>
HIGGIN. 5th August 1862.	2197. JAMES HIGGIN, of the City of Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"An improved substitute for cow dung, used in printing and dyeing textile fabrics or yarns." <i>Letters Patent sealed.</i>
TOWNSEND. 5th August 1862.	2198. JOSEPH TOWNSEND, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist, for an invention for—"Improvements in damping cotton and other fibrous materials and fabrics, in preserving the same from mildew, and in preserving size or stiffening from decomposition." <i>Letters Patent sealed.</i>
CLARK. 5th August 1862.	2199. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the purification of water, and in apparatus employed therein."— <i>A communication to him from abroad by Mr. Maurice Laschi, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
ROBERTS. 5th August 1862.	2200. MARTYN JOHN ROBERTS, of Pendarren House, near Crickhowell, in the County of Brecon, Esquire, for an invention for—"Improvements in means or apparatus for spinning and preparing wool and other fibrous substances." <i>Provisional protection only.</i>
NICHOLL. 5th August 1862.	2201. JOHN RICHARD NICHOLL, of Streatham, in the County of Surrey, Clerk, for an invention for—"Improved means of and apparatus for utilizing and disposing of the sewage of towns and villages." <i>Provisional protection only.</i>
PRIESTLEY. 5th August 1862.	2202. ABRAHAM PRIESTLEY, of Huddersfield, in the County of York, Machine Broker, for an invention for—"Improvements in arrangements or apparatus applicable to locomotive railway engines and carriages, for distributing sand upon the rails to give adhesion to the driving and brake wheels of such engines and carriages." <i>Letters Patent sealed.</i>
BURDON. 6th August 1862.	2203. WILLIAM WHARTON BURDON, of the City and County of Newcastle-upon-Tyne, Esquire, for an invention for—"Improvements in reducing wood fibres to pulp." <i>Letters Patent sealed.</i>
RICHARDSON. 6th August 1862.	2204. JAMES COPE RICHARDSON, of Lichfield, in the County of Stafford, Manufacturer, for an invention for—"An improvement or improvements in cleaning cotton waste." <i>Provisional protection only.</i>
SINIBALDI. 6th August 1862.	2205. MARIE CELESTE SINIBALDI, of 1, South Villas, South Street, Greenwich, in the County of Kent, for an invention for—"Improvements in the manufacture of chains and in the apparatus employed therein." <i>Provisional protection only.</i>
VALENTIN. LEVICK. 6th August 1862.	2206. WILLIAM GEORGE VALENTIN, of the Royal College of Chemistry, Oxford Street, in the County of Middlesex, Chemist, and FREDERICK LEVICK, of Blaina, in the County of Monmouth, Ironmaster, for an invention for—"Improvements in the generation of combustible gases for lighting and heating purposes, and in the mode of applying such gases to the manufacture of iron, glass and other processes in the arts where great heat is required." <i>Letters Patent sealed.</i>
NAUHEIM. 6th August 1862.	2207. FERDINAND NAUHEIM, of Cecil Street, Mile End Road, in the County of Middlesex, Boot Maker, for an invention for—"An improvement in the ornamenting of boots, shoes and goloshes." <i>Provisional protection only.</i>
JOHNSON. 6th August 1862.	2208. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the construction of armour plates for ships and forts, and applicable to other like purposes."— <i>A communication to him from abroad by Filip Bergendal, of Garpenberg, in the Kingdom of Sweden.</i> <i>Letters Patent sealed.</i>

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| <p>MENNONS.
7th August 1862.</p> <p>CULLING.
7th August 1862.</p> <p>THIRIEZ.
7th August 1862.</p> <p>DE LACOMBE.
7th August 1862.</p> <p>JOHNSON.
7th August 1862.</p> <p>BROOMAN.
7th August 1862.</p> <p>BROOMAN.
7th August 1862.</p> <p>CLARK.
7th August 1862.</p> <p>COOMBE.
7th August 1862.</p> <p>RALPH.
7th August 1862.</p> <p>HALL.
8th August 1862.</p> <p>SIROU.
8th August 1862.</p> <p>JENNINGS.
8th August 1862.</p> <p>WHIPP.
8th August 1862.</p> | <p>2209. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"An improved self-inking hand stamp."—<i>A communication from Louis Mathieu Hect or Fromont, a person resident at No. 13, Rue Chapon, Paris, France.</i>
<i>Letters Patent sealed.</i></p> <p>2210. CHARLES CULLING, of Downham Market, in the County of Norfolk, Gunmaker, for an invention for—"Improvements in fire-arms."
<i>Provisional protection only.</i></p> <p>2211. ALFRED THIRIEZ, of the Town of Lille, in the Department of the Nord, in the Empire of France, Manufacturer, for an invention for—"A new machine for glossing and glazing all thready fabrics."
<i>Provisional protection only.</i></p> <p>2212. FRANÇOIS HENRY MARIE CÔME DAMIENS CHEVALIER DE FENIS DE LACOMBE, of Paris, France, Gentleman, for an invention for—"Improvements in the means of lighting towns or other localities, and of ventilating, warming and providing the same with water."
<i>Letters Patent sealed.</i></p> <p>2213. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in blast furnaces."—<i>A communication to him from abroad by Daniel Schwabe, of Terre Noire, Saint Etienne, in the Empire of France, Engineer.</i>
<i>Provisional protection only.</i></p> <p>2214. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in ships and vessels in order to prevent injury from collisions."—<i>A communication to him from abroad by Donald Bethune, residing at Port Hope, Upper Canada.</i>
<i>Letters Patent sealed.</i></p> <p>2215. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in covering ships and vessels built of wood, or iron ships with a backing of wood, before placing iron, steel or other armour plates on such ships and vessels."—<i>A communication to him from abroad by Donald Bethune, residing at Port Hope, Upper Canada.</i>
<i>Letters Patent sealed.</i></p> <p>2216. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the rig, spars and sails of ships and other vessels."—<i>A communication to him from abroad by Mr. Barton Ricketson, of New Bedford, in the County of Bristol, and State of Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>2217. BENJAMIN COOMBE, of 30, Mark Lane, in the City of London, Manufacturer, for an invention for—"Improvements in apparatus or machinery for cleaning and decorticating wheat and other grain."
<i>Provisional protection only.</i></p> <p>2218. ROWLAND WESTBY RALPH, of Honnington Grange, near Newport, in the County of Salop, Gentleman, for an invention for—"Certain improvements in or applicable to reaping-machines."
<i>Letters Patent sealed.</i></p> <p>2219. EDWARD HALL, of Butts Green, Luddenden Foot, near Halifax, in the County of York, Corn Miller, for an invention for—"Improvements in means or apparatus for preparing foreign grain for grinding."
<i>Letters Patent sealed.</i></p> <p>2220. JEAN SIROU, of Castel Sarrazin, in the Department of Tarn et Garonne, in the Empire of France, Contractor of Public Works, for an invention for—"A new medicinal preparation for internal and external application."
<i>Provisional protection only.</i></p> <p>2221. FRANCIS MONTGOMERY JENNINGS, Merchant, of the City of Cork, Ireland, for an invention for—"A composition for coating ships' bottoms to prevent fouling."
<i>Letters Patent sealed.</i></p> <p>2222. JOHN WHIPP, of Rochdale, in the County of Lancaster, Jeweller, for an invention for—"An improved arrangement of apparatus and means for cleaning articles of ornament and jewelry."
<i>Provisional protection only.</i></p> |
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AMIES. 8th August 1862.	2223. NATHANIEL JONES AMIES, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in the manufacture of bearings, 'journals' and 'steps' employed in machinery and for carriage and other axles." <i>Letters Patent sealed.</i>
BROOMAN. 8th August 1862.	2224. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in repeating fire-arms." — <i>A communication to him from abroad by Rafael Rafael, of New York, America.</i> <i>Provisional protection only.</i>
CLARK. 8th August 1862.	2225. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in signalling." — <i>A communication to him from abroad by Pierre Henri Stanislas Count d'Escayrac de Lauture, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection NOT granted.</i>
HUMPHRYS. 8th August 1862.	2226. EDWARD HUMPHRYS, of Deptford, in the County of Kent, Engineer, for an invention for—"Improvements in steam engines." <i>Letters Patent sealed.</i>
TATHAM. 8th August 1862.	2227. JOHN TATHAM, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for preparing, spinning and weaving cotton and other fibrous materials, parts of which improvements are also applicable to other mechanism in which an uniform or variable rotatory motion is required." <i>Letters Patent sealed.</i>
MACINTOSH. 9th August 1862.	2228. JOHN MACINTOSH, of North Bank, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in obtaining and applying motive-power." <i>Provisional protection only.</i>
FOWLER. 9th August 1862.	2229. ROBERT FOWLER, of Glasgow, in the County of Lanark, North Britain, Timber Merchant, for an invention for—"An improved manufacture of woven, plaited, knitted and other fabrics." <i>Provisional protection only.</i>
HASELTINE. 9th August 1862.	2230. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, American Barrister-at-Law, for an invention for—"Improvements in carriage wheels." — <i>A communication to him from abroad by Charles Leavitt, of the City of Cleveland, State of Ohio, United States of America.</i> <i>Letters Patent sealed.</i>
LILLIE. 9th August 1862.	2231. SIR JOHN SCOTT LILLIE, Knight and Companion of the Most Honorable Military Order of the Bath, of 105, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in carriage ways and footways." <i>Letters Patent sealed.</i>
GEHARDT. 9th August 1862.	2232. JOHN JAMES HENRY GEHARDT, of Laurence Lane, in the City of London, Merchant, for an invention for—"An improved fastening for purses, pocket books, needle books, ladies' companions, instrument cases and other similar articles." — <i>A communication to him from abroad by Edward Posen, of Offenbach, in Germany.</i> <i>Letters Patent sealed.</i>
MOREAU. RAGON. 9th August 1862.	2233. ALEXIS JEAN MOREAU, Chymist, and ADOLPHE ERNEST RAGON, Gentleman, both of Bernard Street, Russell Square, in the County of Middlesex, for an invention for—"Improvements in the mode and apparatus for treating bituminous and carbonaceous substances for the purpose of obtaining the various products, volatile, liquid and solid which they contain, and also in the treatment and application of such products." <i>Letters Patent sealed.</i>
MOREAU. RAGON. 9th August 1862.	2234. ALEXIS JEAN MOREAU, Chymist, and ADOLPHE ERNEST RAGON, Gentleman, both of Bernard Street, Russell Square, in the County of Middlesex, for an invention for—"Improvements in the manufacture of gas and coke." <i>Letters Patent sealed.</i>
DE LA RUE. 9th August 1862.	2235. THOMAS DE LA RUE, of 84, Westbourne Terrace, in the County of Middlesex, for an invention for—"Improvements in the manufacture of pigments and writing-inks." <i>Letters Patent sealed.</i>
BOUSFIELD. 9th August 1862.	2236. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in apparatus to be used in the manufacture of hat bodies." — <i>A communication to him from abroad by James Seeley Taylor, a person resident at Daubeney, Connecticut, in the United States of America.</i> <i>Letters Patent sealed.</i>

BARLOW. 11th August 1862.	2237. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Improvements in machines for weaving, warping, sizing and dressing."— <i>A communication to him from abroad by Hyppolite Victor Hermite, Esquire, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
FENTON. STUBBS. 11th August 1862.	2238. HUGH FENTON, of Queen's Ferry, in the County of Flint, and Liverpool, in the County of Lancaster, Wire Drawer and Wire Rope Manufacturer, and WILLIAM STUBBS, of Liverpool, aforesaid, Civil Engineer, for an invention for—"Improvements in telegraph wires." <i>Provisional protection only.</i>
NEWTON. 11th August 1862.	2239. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery for compressing powder for cartridges."— <i>A communication to him from abroad by Stephen Davis Tucker, of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
GOODFELLOW. 11th August 1862.	2240. JACOB GOODFELLOW, of Blackburn, in the County of Lancaster, Engineer, for an invention for—"Improvements in steam or water engines." <i>Provisional protection only.</i>
HOLDSWORTH. CROSSLEY. 11th August 1862.	2241. TOM HOLDSWORTH, of the Firm of John Holdsworth and Company, of Shaw Lodge Mills, Halifax, in the County of York, Manufacturer, and JOHN CROSSLEY, of Bank Bottom Mills, Halifax, aforesaid, Machine Maker, for an invention for—"Improvements in means, machinery or apparatus for warping, scouring, sizing, stretching, measuring, cooling, drying and beaming yarns for weaving." <i>Provisional protection only.</i>
CLARK. 11th August 1862.	2242. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved carriage for conveying sugar moulds in sugar refineries."— <i>A communication to him from abroad by Mr. Theodore Augustus Havemeyer, of New York, United States of America.</i> <i>Letters Patent sealed.</i>
AMIES. 11th August 1862.	2243. NATHANIEL JONES AMIES, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in the manufacture of bearings or steps employed in machinery and railway and other carriages, and in a composition to be applied thereto." <i>Letters Patent sealed.</i>
LANCELOTT. 11th August 1862.	2244. JAMES LANCELOTT, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"Improvements in the manufacture of ornamental chains from sheet metal." <i>Letters Patent sealed.</i>
CHAMPION. 11th August 1862.	2245. MARIE HONORÉ CHAMPION, of No. 15, Passage des Petites Ecuries, in the City of Paris, in the Empire of France, for an invention for—"Self-closing buttons fastening without thread or needles." <i>Provisional protection only.</i>
GEDGE. 11th August 1862.	2246. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of ladders."— <i>A communication to him from abroad by Joseph Bomblin, of Paris, France, Ladder Maker.</i> <i>Letters Patent sealed.</i>
COMBE. SMALPAGE. 11th August 1862.	2247. JOHN COMBE, of Leeds, Engineer, and JOHN HENRY SMALPAGE, also of Leeds, Woollen Draper and Tailor, for an invention for—"Improvements in the action and arrangement of machines for winding cops, and in apparatus for holding and receiving such cops when used for warps or sewing thread or other purposes." <i>Letters Patent sealed.</i>
DONALD. 11th August 1862.	2248. HUGH DONALD, of the Firm of Craig and Donald, of Johnstone, in the County of Renfrew, North Britain, Engineer, for an invention for—"Improvements in machinery for shearing, punching and riveting metals." <i>Provisional protection only.</i>
MARTIN. GOSS. BUSH. 11th August 1862.	2249. ALFRED JOSEPH MARTIN, of High Street, Bow, JAMES GOSS, of Prospect House, Bow Road, and JOHN BUSH, of Bow Common, Bromley, all in the County of Middlesex, for an invention for—"Improvements in apparatus for distillation." <i>Letters Patent sealed.</i>
GRESTY. 11th August 1862.	2250. ROGER GRESTY, of Packington Street, Islington, in the County of Middlesex, for an invention for—"Improvements in scarfs or cravats." <i>Provisional protection only.</i>

MACNAB. 12th August 1862.	2251. WILLIAM MACNAB, of Greenock, in the County of Renfrew, North Britain, Engineer, for an invention for—"Improvements in steam-boilers, and in apparatus for feeding the same and for effecting circulation therein." <i>Letters Patent sealed; no specification filed.</i>
RAMSBOTTOM. HACKING. 12th August 1862.	2252. JOHN RAMSBOTTOM, and GEORGE HACKING, of Accrington, in the County of Lancaster, Machinists, for an invention for—"Improvements in machinery or apparatus for measuring and registering the flow of water and other fluids." <i>Provisional protection only.</i>
DICKSON. 12th August 1862.	2253. JAMES DICKSON, of 66, Tollington Road, Holloway, in the County of Middlesex, Gentleman, for an invention for—"Improvements in treating zinc ores and solutions of zinc to obtain zinc therefrom." <i>Letters Patent sealed; no specification filed.</i>
DICKSON. 12th August 1862.	2254. JAMES DICKSON, of 66, Tollington Road, Holloway, Middlesex, Gentleman, for an invention for—"Improvements in treating ores and solutions of lead to obtain lead therefrom." <i>Provisional protection only.</i>
SERBAT. 12th August 1862.	2255. LOUIS SERBAT, of Valenciennes, France, and 4, South Street, Finsbury, London, Gentleman, for an invention for—"Certain improvements in lubricating machinery." <i>Provisional protection only.</i>
WHEELER. 12th August 1862.	2256. CHARLES ANTHONY WHEELER, of Swindon, Wilts, for an invention for—"Improvements in machinery for perforating paper." <i>Letters Patent sealed.</i>
DEL RUE. 12th August 1862.	2257. ALEXANDER DEL RUE, of Dunkirk, in the Empire of France, for an invention for—"Improvements in compositions for preventing and removing incrustation in boilers." <i>Letters Patent sealed.</i>
WESTMACOTT. 12th August 1862.	2258. CHARLES MARTIN WESTMACOTT, of 42, Noble Street, in the City of London, for an invention for—"Improvements in cements." <i>Letters Patent sealed.</i>
LANGRAN. 12th August 1862.	2259. JAMES LANGRAN, of Kimbolton, in the County of Huntingdon, Millwright, for an invention for—"Improvements in apparatus for driving agricultural machinery." <i>Provisional protection only.</i>
LEBLOND. 12th August 1862.	2260. JEAN FRÉDÉRIC JOURNAUX LEBLOND, of Paris, France, Machine Maker, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
CHILDS. 12th August 1862.	2261. AUGUSTUS BRYANT CHILDS, of No. 481, Oxford Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for cutting veneers."— <i>A communication to him from abroad by Harrison Parker and Jonathan Charles Sleeper, both of Boston, in the County of Sussex, Massachusetts, in the United States of America, Engineers.</i> <i>Letters Patent sealed.</i>
SENGRY. 12th August 1862.	2262. CHARLES SENGRY, of the Firm of Sengry and Wilhelm, of 54, Great Queen Street, Lincoln's Inn Fields, in the County of Middlesex, Manufacturers and Importers, for an invention for—"An improved smoking pipe which may also be adapted as a tube for smoking cigars." <i>Letters Patent sealed.</i>
SANDERS. 12th August 1862.	2263. GEORGE SANDERS, of Nelson Place, Old Kent Road, Gentleman, for an invention for—"Improvements in domestic fire-escapes." <i>Letters Patent sealed.</i>
BOWER. 12th August 1862.	2264. JOHN BOWER, of Carlow, in the County of Carlow, Civil Engineer, for an invention for—"Improvements in railway sleepers." <i>Provisional protection only.</i>
DICKSON. 13th August 1862.	2265. JAMES DICKSON, of 66, Tollington Road, Holloway, Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of chlorine for commercial purposes." <i>Provisional protection only.</i>
DICKSON. 13th August 1862.	2266. JAMES DICKSON, of 66, Tollington Road, Holloway, Middlesex, Gentleman, for an invention for—"Improvements in obtaining sodium from certain sources of that metal." <i>Provisional protection only.</i>
COOPER. 13th August 1862.	2267. JOHN COOPER, of Town Malling, in the County of Kent, Plumber, for an invention for—"Improvements in valves and buckets for pumps, and in valves or cocks for other uses." <i>Letters Patent sealed.</i>

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| <p>SMITH.
RAYMENT.
13th August 1862.</p> <p>TUSSAUD.
TUSSAUD.
13th August 1862.</p> <p>SMITH.
MOULD.
COOK.
HACKING.
13th August 1862.</p> <p>BOYLE.
13th August 1862.</p> <p>PETERS.
13th August 1862.</p> <p>TWELVETREES.
13th August 1862.</p> <p>TURNER.
13th August 1862.</p> <p>VERSTRAET.
OLIVIER.
13th August 1862.</p> <p>GALLI.
13th August 1862.</p> <p>SCHNELL.
13th August 1862.</p> <p>JOHNSON.
13th August 1862.</p> <p>DAGNALL.
14th August 1862.</p> <p>WALKER.
14th August 1862.</p> <p>IRVINE.
HAND.
14th August 1862.</p> | <p>2268. JOHN SMITH, of Regent Street, Mile End Road, in the County of Middlesex, Engineer, and JOHN SAUNDERS RAYMENT, of Rayment Road, Grove Road, Mile End, in the same County, Builder, for an invention for—"Improvements in apparatus for generating steam and for regulating its flow, part of which improvements are applicable also to other purposes."
<i>Provisional protection only.</i></p> <p>2269. JOSEPH RANDALL TUSSAUD, & FRANCIS CURTIUS TUSSAUD, of Marylebone Road, in the County of Middlesex, for an invention for—"Improvements in the treatment of representations formed from wax or from compositions of wax with other matters."
<i>Letters Patent sealed.</i></p> <p>2270. CHARLES WILLIAM SMITH, and WILLIAM MOULD, of Belmont, in the County of Lancaster, and SAMUEL COOK, and WILLIAM HENRY HACKING, of Bury, in the said County, Machinists, for an invention for—"Improvements in looms for weaving."
<i>Provisional protection only.</i></p> <p>2271. WILLIAM LAFFERTY BOYLE, of San Francisco, in the State of California, one of the United States of North America, but now residing at Eastbourne Terrace, in the County of Middlesex, Dentist, for an invention for—"Improvements in the construction of chairs and foot stools for the use of dentists, and in chairs, couches and beds for invalids."
<i>Letters Patent sealed.</i></p> <p>2272. JOSEPH PETERS, of Wouldham Hall, Rochester, in the County of Kent, for an invention for—"An improved hydraulic cement."
<i>Provisional protection only.</i></p> <p>2273. HARPER TWELVETREES, of Bromley, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in rat and mice traps."
<i>Letters Patent sealed.</i></p> <p>2274. GEORGE TURNER, of Woolwich Dockyard, Master Shipwright, for an invention for—"Improvements in fastening armour plates of ships."
<i>Provisional protection only.</i></p> <p>2275. LOUIS DÉSIRÉ VERSTRAET, Chemist, and ETIENNE MAURICE OLIVIER, Proprietor, both of 29, Boulevard St. Martin, Paris, for an invention for—"A new process of manufacturing carbonate of soda by the application of sulphuret of sodium and in apparatus for the same."
<i>Letters Patent sealed.</i></p> <p>2276. LEONARDO GALLI, of Lucca, Tuscany, in the Kingdom of Italy, for an invention for—"Improvements in apparatus for propelling vessels."
<i>Provisional protection only.</i></p> <p>2277. WILLIAM SCHNELL, of 63, Charlotte Street, Fitzroy Square, in the County of Middlesex, for an invention for—"Improvements in extracting the sulphur and sulphurous acid from the oxy-sulphuret of calcium which is contained in the residues or waste material obtained in the manufacture of soda."—<i>A communication to him from abroad by Ludwig Mond, of Hessen Cassel, Germany.</i>
<i>Provisional protection only.</i></p> <p>2278. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in carts and other vehicles."—<i>A communication to him from abroad by Pierre Henri Dubreuil, and Jean Baptiste Dubreuil, both of Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>2279. ELIZA JANE DAGNALL, of Point Pleasant, Wandsworth, in the County of Surrey, for an invention for—"An improved tray or receptacle adapted for wash-hand stands for holding tooth-brushes, tooth-powder and nail-brushes."
<i>Provisional protection only.</i></p> <p>2280. ALEXANDER WALKER, of Liverpool, in the County of Lancaster, Optician, for an invention for—"A new instrument to determine or ascertain the depth of water and the distance a ship has run."
<i>Letters Patent sealed.</i></p> <p>2281. JOHN IRVINE, of Patshull, in the County of Salop, Musketry Instructor, and JOHN WILLIAM HAND, of Beckbury, in the County of Salop, Builder, for an invention for—"A new or improved rifle rest."
<i>Letters Patent sealed; specification filed by order.</i></p> |
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KEY. HOSKINS. 14th August 1862.	2282. JOHN KEY, and EBENEZER HOSKINS, of the Firm of Key, Hoskins and Company, of Birmingham, in the County of Warwick, Metallic Bedstead Manufacturers, for an invention for—"An improvement or improvements in the manufacture of plain and ornamental metallic pillars for bedsteads, cots, couches, tables and other like purposes." <i>Provisional protection only.</i>
WELCH. 14th August 1862.	2283. GEORGE WELCH, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in inkstands, metallic pens and pen-holders, and other instruments and appliances used in writing and marking." <i>Letters Patent sealed.</i>
WILSON. 14th August 1862.	2284. CHARLES EDMUND WILSON, of Monkwell Street, in the City of London, Manufacturer, for an invention for—"An improvement in buckle fastenings for braces and belts." <i>Provisional protection only.</i>
BEATSON. 14th August 1862.	2285. WILLIAM BEATSON, of Rotherham, in the County of York, Grate Manufacturer, for an invention for—"Improvements in the manufacture of stoves." <i>Letters Patent sealed.</i>
WHITE. BUCKLAND. REES. 14th August 1862.	2286. GEORGE WHITE, of Torquay, in the County of Devon, Plumber, FRANCIS BUCKLAND, of Newton Abbott, in the same County, Auctioneer, and CHARLES REES, of Newton Bushel, in the same County, Accountant, for an invention for—"Improvements in the manufacture of water-closets." <i>Letters Patent sealed.</i>
MARQUES. 14th August 1862.	2287. DON PELEGRIN MARQUES, of Barcelona, in the Kingdom of Spain, for an invention for—"Improvements in apparatus for cleaning the bottoms of ships and vessels."— <i>A communication to him from abroad by Antonio Blanco y Ramis, resident at Barcelona, aforesaid.</i> <i>Letters Patent sealed.</i>
PASSEY. NIMAN. 14th August 1862.	2288. HENRY RICHARD PASSEY, and LOUIS NIMAN, of 17, Little Newport Street, Leicester Square, in the County of Middlesex, for an invention for—"An improved cigar tube or holder." <i>Provisional protection only.</i>
PETRIE. 14th August 1862.	2289. JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Iron-monger, for an invention for—"Improvements in machinery or apparatus for blowing and exhausting air." <i>Provisional protection only.</i>
CURTIS. 14th August 1862.	2290. WILLIAM JOSEPH CURTIS, of Tufnell Park Road, Holloway, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of and apparatus for ascertaining the fares and earnings of public vehicles." <i>Letters Patent sealed.</i>
HOPWOOD. 14th August 1862.	2291. JAMES HOPWOOD, of Ashton-under-Lyne, in the County of Lancaster, Mechanic, for an invention for—"Improvements in machinery or apparatus used for collecting fibrous material and dirt from the carriage boards and roller beams of mules and other similar machines used in spinning." <i>Provisional protection only.</i>
HEARN. 14th August 1862.	2292. JAMES HEARN, of Hatford, in the County of Berks, Clerk, for an invention for—"Improvements in apparatus or appliances for raising sick or bedridden persons in their beds and for lifting their bedclothes." <i>Letters Patent sealed.</i>
SOUTTER. 14th August 1862.	2293. WILLIAM SOUTTER, Coppersmith, of Birmingham, in the County of Warwick, for an invention for—"Certain apparatus for raising and planishing metals." <i>Provisional protection only.</i>
HERAPATH. 14th August 1862.	2294. WILLIAM BIRD HERAPATH, of 32, Old Market Street, in the City of Bristol, Physician and Consulting Chemist, for an invention for—"Improvements in decolorizing solutions of sugar and also vegetable juices containing sugar." <i>Provisional protection only.</i>
BLOCKEY. 14th August 1862.	2295. JOHN SANDERS BLOCKEY, of Hyde Park, Leeds, in the County of York, for an invention for—"Improvements in the manufacture of colouring matters." <i>Provisional protection only.</i>
HERAPATH. 14th August 1862.	2296. WILLIAM BIRD HERAPATH, of 32, Old Market Street, in the City of Bristol, Physician and Consulting Chemist, for an invention for—"Improvements in treating crystallizable sugar to render it more suitable for fermentation and conversion into alcohol and vinegar." <i>Letters Patent sealed.</i>

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| <p>SPAGNOLETTI.
14th August 1862.</p> <p>MENNONS.
15th August 1862.</p> <p>BARCLAY.
15th August 1862.</p> <p>SHEPARD.
15th August 1862.</p> <p>CARVIN.
15th August 1862.</p> <p>KIRBY.
15th August 1862.</p> <p>NEWMAN.
15th August 1862.</p> <p>CARTER.
MAHER.
15th August 1862.</p> <p>JOHNSON.
15th August 1862.</p> <p>BARCLAY.
16th August 1862.</p> <p>GARSDIE.
16th August 1862.</p> <p>LIEBMANN.
16th August 1862.</p> <p>KNOWLES.
ROBINSON.
16th August 1862.</p> <p>ITURRIAGA.
16th August 1862.</p> <p>BELL.
HIGGINS.
16th August 1862.</p> <p>CHAPMAN.
18th August 1862.</p> | <p>2297. CHARLES ERNESTO SPAGNOLETTI, of the Telegraph Department, Great Western Railway, Paddington, in the County of Middlesex, for an invention for—"Improvements in apparatus for signalling trains on railways."
<i>Letters Patent sealed.</i></p> <p>2298. MARC ANTOINE FRANÇOIS MENNON, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"An improved apparatus for the production of sealing-wax impressions."—<i>A communication from Louis Jules Bazin, a person resident at No. 27, Rue des Jeuneurs, Paris, France.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>2299. JAMES BARCLAY, of Gravel Lane, Southwark, in the County of Surrey, Engineer, for an invention for—"Improved machinery for the manufacture of nails."
<i>Letters Patent sealed.</i></p> <p>2300. ANNE SHEPARD, of 55, Victoria Steet, Westminster, in the County of Middlesex, for an invention for—"Improvements in obtaining light, and in apparatus connected therewith."
<i>Provisional protection only.</i></p> <p>2301. THOMAS CARVIN, of Landport, in the County of Hants, for an invention for—"Improvements in screw propellers."
<i>Letters Patent sealed.</i></p> <p>2302. THOMAS FREESTON KIRBY, of Aldersgate Street, in the City of London, Merchant Tailor, for an invention for—"Improvements in garments for gentlemen and ladies' wear."
<i>Letters Patent sealed.</i></p> <p>2303. JAMES NEWMAN, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"Improvements in machinery for the manufacture of metallic tubes."
<i>Provisional protection only.</i></p> <p>2304. JOHN CARTER, Power Loom Regulator, and JAMES MAHER, Manager, both of Victoria Mills, Lockwood, near Huddersfield, in the County of York, for an invention for—"An improvement in the construction of power looms."
<i>Letters Patent sealed.</i></p> <p>2305. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in electro-magnetic time-keepers."—<i>A communication to him from abroad by John Henry Koosen, of Dresden, in the Kingdom of Saxony.</i>
<i>Letters Patent sealed.</i></p> <p>2306. ROBERT BARCLAY, of Paris, Canada West, Watch and Clock Maker, for an invention for—"Improvements in chronometers and other time-keepers."
<i>Provisional protection only.</i></p> <p>2307. HENRY GARSIDE, of Coupland Street, Manchester, in the County of Lancaster, Engineer and Machinist, for an invention for—"Improvements in machinery or upparatus for marking, etching, or engraving on cylindrical and other surfaces."
<i>Letters Patent sealed.</i></p> <p>2308. CHARLES HENRY JULIUS WILLIAM MAXIMILIAN LIEBMANN, of Huddersfield, in the County of York, Merchant, for an invention for—"Improvements in machinery for finishing textile fabrics."
<i>Provisional protection only.</i></p> <p>2309. THOMAS KNOWLES, and WILLIAM ROBINSON, of the City of Manchester, in the County of Lancaster, Machinists, for an invention for—"Improvements in racks for window blinds."
<i>Provisional protection only.</i></p> <p>2310. MANUEL ITURRIAGA, Colonel in the Army of Her Majesty the Queen of Spain, of Tavistock Street, Bedford Square, in the County of Middlesex, for an invention for—"Improvements in fire-arms."
<i>Provisional protection only.</i></p> <p>2311. SAMUEL ALEXANDER BELL, of Epping Villas, Stratford, Lucifer Match Manufacturer, and THOMAS HIGGINS, of Carriaco Terrace, Bow, in the County of Middlesex, Tornographer, for an invention for—"Improved apparatus for dipping lucifer matches."
<i>Letters Patent sealed.</i></p> <p>2312. GEORGE CHAPMAN, of Edinburgh, in the County of Mid Lothian, North Britain, Gentleman, for an invention for—"Improvements in reaping-machines."
<i>Provisional protection only.</i></p> |
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BARNETT. 18th August 1862.	2313. FREDERIC BARNETT, residing at Paris, 164, Rue de Rivoli, late of No. 230, Oxford Street, London, for an invention for—"An improved lamp or lantern for street lighting and other purposes." <i>Letters Patent sealed.</i>
CIMEG. 18th August 1862.	2314. JOHN CIMEG, of Great James Street, Bedford Row, in the County of Middlesex, for an invention for—"Improvements in depositing silver and other metals on fabrics and other materials." <i>Letters Patent sealed.</i>
OAKLEY. 18th August 1862.	2315. JOHN THOMAS OAKLEY, of Grange Road, Bermondsey, in the County of Surrey, for an invention for—"Improvements in heating stoves employed for drying and other surfaces." <i>Letters Patent sealed.</i>
NEWTON. 18th August 1862.	2316. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in connecting plates, sheets or slabs of metal or other materials, and fastening the same onto framing applicable to armour plating for ships, vessels or batteries, and to roofing and other similar purposes."— <i>A communication to him from abroad by Valentin Lasserre, of Dax, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BRIÈRE. 18th August 1862.	2317. JULIAN BRIÈRE, of Brussels, in the Kingdom of Belgium, Mechanician, for an invention for—"A continuous self-acting condenser being a new boiler-feeding apparatus." <i>Letters Patent sealed.</i>
BOETIUS. 18th August 1862.	2318. HENNING BOETIUS, of 9, Roehampton Street, Bessborough Gardens, Pimlico, in the County of Middlesex, for an invention for—"Improvements in fire-proof materials." <i>Provisional protection only.</i>
MELTON. 18th August 1862.	2319. HENRY MELTON, of Regent Street, in the County of Middlesex, Hatter to the Royal Family, for an invention for—"Improvements in the manufacture of hats and caps." <i>Provisional protection only.</i>
WILKINSON. 19th August 1862.	2320. THOMAS WILKINSON, of Rathmines, in the County of Dublin, Commercial Clerk, for an invention for—"Improvements in machinery or apparatus for singeing pigs." <i>Provisional protection only.</i>
CLEUET. 19th August 1862.	2321. VICTORIN FLORENTIN CLEUET, of Paris, Rue d'Allemagne, No. 182, Engineer, for an invention for—"An improved self-acting apparatus for supplying boilers with water, applicable also to the raising and to the measuring of liquids." <i>Letters Patent sealed.</i>
DEMBINSKI. 19th August 1862.	2322. GENERAL HENRY DEMBINSKI, of No. 13, Rue de l'Oratoire, Paris, in the Empire of France, for an invention for—"A motive apparatus and processes proper for giving to it a continuous motion and unlimited strength." <i>Provisional protection only.</i>
BOUCHER. 19th August 1862.	2323. SIMON BOUCHER, Flax Spinner, of Warchin, near Tournai, in the Kingdom of Belgium, for an invention for—"Improvements in flax spinning, which improvements are also applicable to spinning of tow and hemp." <i>Letters Patent sealed.</i>
HOYLE. PROVEN. 19th August 1862.	2324. WILLIAM JENNINGS HOYLE, Engineer, and JOHN PROVEN, Millwright, both of Halifax, in the County of York, for an invention for—"Improvements in mechanism and arrangements for supplying lubricating matter to the cylinders of steam-engines and to the bearings and other surfaces of mechanism." <i>Letters Patent sealed.</i>
FALKINER. 19th August 1862.	2325. TRAVERS HARTLEY FALKINER, of the City of Dublin, Ireland, Engineer, for an invention for—"Improvements in the permanent way of railways." <i>Letters Patent sealed.</i>
TONGUE. 19th August 1862.	2326. JOHN GARRETT TONGUE, of the Firm of Tongue and Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents and Engineers, for an invention for—"Improvements in processes and apparatus for extracting the natural wax or fatty matters from wool, hair or other animal or vegetable substances containing the same, and in the application thereof to various useful purposes."— <i>A communication to him from abroad by Augustin Everard, Civil Engineer, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
WHITTLE. 20th August 1862.	2327. WILLIAM WHITTLE, of Smethwick, in the County of Stafford, Mechanical Engineer, for an invention for—"Improved machinery for the manufacture of nails and spikes." <i>Letters Patent sealed.</i>

- CALLEBAUT.**
20th August 1862. 2328. CHARLES CALLEBAUT, of 2, Rue Sainte Appoline, Paris (France), and of 4, South Street, Finsbury, London, for an invention for—"Improvements in sewing-machines."
Letters Patent sealed.
- WHITTAKER.**
20th August 1862. 2329. HENRY WHITTAKER, of Church, near Accrington, in the County of Lancaster, for an invention for—"Improvements in halds or heddles and in the manufacture of the same."
Provisional protection only.
- HUTCHINSON.**
20th August 1862. 2330. WILLIAM HODGSON HUTCHINSON, of Newton Heath, near Manchester, in the County of Lancaster, Starch Manufacturer, for an invention for—"Improvements in the manufacture of ammonia and the prussiates of potash or soda and in apparatus employed in such manufactures."
Provisional protection only.
- STANDISH.**
GOODEN.
20th August 1862. 2331. JOHN STANDISH, of Egerton, near Bolton, in the County of Lancaster, and JOHN GOODEN, of the same place, for an invention for—"Improvements in machinery or apparatus used in the preparation of cotton, wool, flax or other fibrous materials to be spun."
Letters Patent sealed.
- WILKES.**
20th August 1862. 2332. SAMUEL WILKES, of Rue St. Honoré, Paris, in the Empire of France, but now residing at Wimpole Street, in the County of Middlesex, Gentleman, for an invention for—"An improved attachment for door knobs."
Letters Patent sealed.
- CHINNOCK.**
20th August 1862. 2333. CHARLES CHINNOCK, of Brooklyn, in the State of New York, United States of America, but now residing at Queen's Road West, Regent's Park, in the County of Middlesex, Merchant, for an invention for—"An improved construction of cork-screw."
Provisional protection only.
- PARIS.**
BATE.
21st August 1862. 2334. STANISLAUS JOSEPH PARIS, of the City of Manchester, Engineer, and WILLIAM BATE, of Salford, in the County of Lancaster, Telegraph Engineer, for an invention for—"Improvements in alphabetical electric telegraphs."
Letters Patent sealed and Specification filed by order.
- SCHEMMANN.**
21st August 1862. 2335. JOHANN CARL SCHEMMANN, of Hamburg, Merchant, for an invention for—"Improvements in the manufacture of steel."
Letters Patent sealed.
- WILKINSON.**
21st August 1862. 2336. MATTHEW WILKINSON, of Blackburn, County of Lancaster, Carder, for an invention for—"Improvements in carding-engines, parts of which improvements are applicable to drawing and such like frames."
Provisional protection only.
- DAVIES.**
21st August 1862. 2337. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in governors for steam-engines."—*A communication to him from abroad by Caldwell Colberson Jenkins and Frederick Jumelle, both of Philadelphia, Pennsylvania, United States of America.*
Letters Patent sealed.
- CLEMENTS.**
LLEWELLIN.
LLEWELLIN.
JAMES.
21st August 1862. 2338. THOMAS CLEMENTS, Managing Engineer, and PETER LLEWELLIN, JOHN LLEWELLIN, and JOHN WANKLYN JAMES, Brass Founders, all of Bristol, for an invention for—"Improvements in the construction of a self-acting lubricator for lubricating various parts of steam-engines."
Letters Patent sealed.
- BOUBÉE.**
21st August 1862. 2339. ADOLPHE BOUBÉE, of Paris, in the Empire of France, for an invention for—"Improved apparatus for casting or moulding glass and imitating precious stones or marbles."
Provisional protection only.
- BOUBÉE.**
21st August 1862. 2340. ADOLPHE BOUBÉE, of Paris, in the Empire of France, for an invention for—"An improved veil protector."
Provisional protection only.
- GRIFFIN.**
22nd August 1862. 2341. SANDIFORTH FEATHERSTONE GRIFFIN, of the New Adelphi Chambers, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus to be used in the distillation of petroleum or any oleaginous, resinous or alcoholic bodies."
Letters Patent sealed.
- WHYTOCK.**
22nd August 1862. 2342. ANDREW WHYTOCK, of No. 12, Little Saint Andrew Street, Upper Saint Martin's Lane, London, for an invention for—"Improvements in making boxes and preparing sheets for the same."
Provisional protection NOT granted.
- MONSON.**
22nd August 1862. 2343. CHARLES MONSON, of the State of Connecticut, of the United States of America, for an invention for—"A new and useful repeating rotary engine."
Complete specification : Letters Patent sealed.

BARRETT. 22nd August 1862.	2344. WILLIAM BARRETT, of Norton Furnaces, near Stockton-on-Tees, for an invention for—"Improvements in casting railway sleepers and chairs where tie bars are used." <i>Letters Patent sealed.</i>
RITCHIE. 22nd August 1862.	2345. EDWARD SAMUEL RITCHIE, of the State of Massachusetts, of the United States of America, for an invention for—"A new and useful improvement in the mariner's compass." <i>Complete specification; Letters Patent sealed.</i>
MACKAY. 22nd August 1862.	2346. JAMES MACKAY, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist and Importer of Foreign Goods, for an invention for—"Improvements in the manufacture of soap powder." <i>Letters Patent sealed.</i>
HARRINGTON. 22nd August 1862.	2347. ROBERT HARRINGTON, of Northampton Street, Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in umbrellas and parasols and in the manufacture of parts thereof." <i>Letters Patent sealed.</i>
TWELVETREES. 22nd August 1862.	2348. HARPER TWELVETREES, of Bromley, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in the preparation of washing-powders, soap powders and cleansing crystals." <i>Letters Patent sealed.</i>
MOORE. 22nd August 1862.	2349. DANIEL MOORE, of Brooklyn, in the County of King's, and State of New York, United States of America, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
BOTTOMLEY. 22nd August 1862.	2350. GEORGE BOTTOMLEY, of Leeds, in the County of York, Gentleman, for an invention for—"Improved apparatus for expressing moisture from pulpy or solid substances." <i>Provisional protection only.</i>
MOORE. 22nd August 1862.	2351. DANIEL MOORE, of Brooklyn, in the County of King's, and State of New York, United States of America, for an invention for—"Improvements in revolving fire-arms." <i>Letters Patent sealed.</i>
CARWOOD. BOAZ. COLWELL. 22nd August 1862.	2352. WILLIAM CARWOOD, of Stepney, in the County of Middlesex, Engineer, WILLIAM BOAZ, of Bromley, in the same County, Engineer, and CHARLES COLWELL, of Belvidere Place, Southwark, in the County of Surrey, Gentleman, for an invention for—"Improvements in apparatus for propelling ships and other vessels." <i>Letters Patent sealed.</i>
WOOD. 22nd August 1862.	2353. THOMAS WOOD, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in the slide valves of steam-engines." <i>Provisional protection only.</i>
EDWARDS. 23rd August 1862.	2354. JOHN EDWARDS, of 77, Aldermanbury, in the City of London, for an invention for—"Improvements in the permanent way of railways." <i>Provisional protection only.</i>
MOISON. 23rd August 1862.	2355. FRANÇOIS THEOPHILE MOISON, Chemist, 13, Rue Gaillon, Paris, for an invention for—"Improvements in the process of cleaning organic matter." <i>Provisional protection only.</i>
HINKS. DIXON. 23rd August 1862.	2356. JOSEPH HINKS, of Birmingham, in the County of Warwick, Manufacturer, and ADAM DIXON, also of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in brooms and brushes, and in the mode of fastening brooms, brushes, and mops to their handles or stales (or stails)." <i>Provisional protection NOT granted.</i>
ANGELO. 23rd August 1862.	2357. MARTIN KENNETH ANGELO, of Gloucester Place, Portman Square, in the County of Middlesex, for an invention for—"Improvements in apparatus used in the manufacture of shell-lac." <i>Letters Patent sealed.</i>
HENRY. 23rd August 1862.	2358. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in stuffing boxes and their packings." —A communication to him from abroad by Auguste Mesnard, of 33, Boulevard Saint Martin, Paris, France, Engineer. <i>Letters Patent sealed.</i>
ROECKNER. 23rd August 1862.	2359. CARL HEINRICH ROECKNER, of Marsh Street, in the City of Bristol, for an invention for—"Improvements in syphons for discharging or drawing off large bodies of water, and in the mode of charging, fixing, and constructing same, whereby they are rendered permanently self-acting." <i>Provisional protection only.</i>

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| <p>NEWTON.
23rd August 1862.</p> <p>HAINES.
25th August 1862.</p> <p>HUGHES.
26th August 1862.</p> <p>GEDGE.
26th August 1862.</p> <p>HARRISON.
HARRISON.
26th August 1862.</p> <p>DAVIES.
26th August 1862.</p> <p>RICHARDSON.
ALLINSON.
26th August 1862.</p> <p>JAROSSON.
26th August 1862.</p> <p>RIDER.
26th August 1862.</p> <p>NEWTON.
26th August 1862.</p> <p>CRICHTON.
27th August 1862.</p> <p>DAVIES.
27th August 1862.</p> <p>HARBEN.
27th August 1862.</p> | <p>2360. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the mode of and apparatus for treating fermentable substances for brewing and distilling."—<i>A communication to him from abroad by Friedrich Wilhelm Hoepfner, of 137, Linienstrasse, Berlin, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i></p> <p>2361. MICHAEL JOHN HAINES, of No. 4, Victoria Road Rope Walk, Bristol, for an invention for—"Improvements in the manufacture of driving bands or straps." <i>Letters Patent sealed.</i></p> <p>2362. HUGH PRICHARD HUGHES, of 31, Mottram Street, Stephen Street, Salford, Manchester, for an invention for—"Improvements in the construction of sawing-machines." <i>Letters Patent sealed.</i></p> <p>2363. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in stays or corsets."—<i>A communication to him from abroad by Jules Saliné, of Paris, France, Widow.</i> <i>Provisional protection only.</i></p> <p>2364. JOSEPH HARRISON and BENJAMIN HARRISON, of Otley, in the County of York, Farmers, for an invention for—"Improvements in clod crushers." <i>Letters Patent sealed.</i></p> <p>2365. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improved machines for washing skeins of cotton, linen, wool or silk."—<i>A communication to him from abroad by Alexandre Marie Fortuné Tulpin, of Paris, Engineer.</i> <i>Letters Patent sealed.</i></p> <p>2366. THOMAS RICHARDSON, of the Town and County of Newcastle-upon-Tyne, Chemist, and RICHARD ALLINSON, of Moorgate Street, in the City of London, Accountant, for an invention for—"Improvements in the manufacture or treatment of articles of steel and in the apparatus employed therein." <i>Provisional protection only.</i></p> <p>2367. LEON JAROSSON, of La Madelaine, near Lille, Town in the French Empire, Chemist, for an invention for—"An improved process and machinery for bleaching or washing textile fabrics and materials." <i>Provisional protection only.</i></p> <p>2368. JOSEPH RIDER, of Basinghall Street, Leeds, in the County of York, Iron Merchant and Engineer, for an invention for—"Improvements in the construction of fencing posts or standards to be used either for straining or otherwise sustaining fences, the said improvements being also applicable to all kinds of gate posts, telegraph poles, signal posts, or other upright standards or pillars." <i>Provisional protection only.</i></p> <p>2369. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"A novel construction of instrument applicable to the cleaning of windows."—<i>A communication to him from abroad by Jonas Farnsworth, of Braintree, Massachusetts, and Edward Millar Farnsworth, of Boston, Massachusetts, United States of America.</i> <i>Provisional protection NOT granted.</i></p> <p>2370. ALEXANDER CRICHTON, of Glasgow, in the County of Lanark, North Britain, Mechanic, for an invention for—"Improvements in looms for weaving ornamental fabrics." <i>Letters Patent sealed.</i></p> <p>2371. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the city of Glasgow, Civil Engineer and Patent Agent, for an invention for—"A machine for singeing woven fabrics of cotton, wool or silk, by means of gas or alcohol."—<i>A communication to him from abroad by Alexandre Marie Fortuné Tulpin, of Paris, Engineer.</i> <i>Letters Patent sealed.</i></p> <p>2372. HENRY HARBEN, of Oxford Villa, Haverstock Hill, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of paper and other productions in which fibrous material is employed." <i>Provisional protection only.</i></p> |
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COFFEY. REDWOOD. 27th August 1862.	2373. JOHN AMBROSE COFFEY, of 4, Providence Row, Finsbury Square, and THEOPHILUS REDWOOD, of 19, Montague Street, Russell Square, both in the County of Middlesex, for an invention for—"Improvements in the manufacture of salts of ammonia and other products from the ammoniacal liquors of gas works and animal charcoal works, and in the still or apparatus to be used in such manufacture." <i>Letters Patent sealed.</i>
SIMS. 27th August 1862.	2374. REUBEN SIMS, of the Firm of Picksley, Sims, and Company, the Bedford Foundry, Leigh, in the County of Lancaster, Agricultural Implement Makers and Ironfounders, for an invention for—"Improvements in machinery or apparatus for pulping, stripping or slicing turnips and other vegetable substances." <i>Letters Patent sealed.</i>
TURNER. 27th August 1862.	2375. WILLIAM HENRY TURNER, of Blackburn, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in machinery or apparatus for carding cotton and other fibrous materials." <i>Letters Patent sealed.</i>
CLARK. 27th August 1862.	2376. CHARLES CLARK, of 361, City Road, in the County of Middlesex, for an invention for—"Improvements in tea and other trays for the table, and in urns and apparatus intended to be used therewith." <i>Provisional protection only.</i>
LINDSAY. 27th August 1862.	2377. GEORGE LINDSAY, of Belfast, in the County of Antrim, in Ireland, Engineer and Machinist, for an invention for—"An improved mode of arranging and disposing guns in ships employed in naval warfare and otherwise." <i>Provisional protection only.</i>
MAYES. 27th August 1862.	2378. WILLIAM MILLBANKE MAYES, of Hoxton, in the County of Middlesex, Civil Engineer, for an invention for—"An improvement in or addition to wheels, particularly applicable to the wheels of railway and other carriages." <i>Provisional protection only.</i>
BROOMAN. 27th August 1862.	2379. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in machinery for separating or sorting and washing coal and other minerals."— <i>A communication to him from abroad by Maximilien Evrard, of St. Etienne, France.</i> <i>Letters Patent sealed.</i>
NEWTON. 27th August 1862.	2380. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved method of producing light for the various purposes of artificial illumination."— <i>A communication to him from abroad by George Hand Smith, of Rochester, County of Monroe, State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
NUTTING. 27th August 1862.	2381. JOHN GEORGE NUTTING, of Regent Street, in the City of Westminster, Button Manufacturer, for an invention for—"An improvement in the manufacture of buttons." <i>Letters Patent sealed.</i>
NEWTON. 27th August 1862.	2382. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for printing from engraved plates."— <i>A communication to him from abroad by Thomas Cecil Andrews, of the City of Philadelphia, United States of America.</i> <i>Letters Patent sealed.</i>
COOK. 27th August 1862.	2383. HARRY WHITESIDE COOK, of Norwood, in the County of Surrey, a Minor, for an invention for—"Improved apparatus for obtaining motive-power applicable for driving machinery or for other purposes where a motive-power is required." <i>Provisional protection only.</i>
POTTER. 27th August 1862.	2384. JOHN JENNINGS POTTER, of No. 3, New Bridge, Dover, for an invention for—"Improvements in upright pianofortes." <i>Letters Patent sealed.</i>
KITCHIN. 28th August 1862.	2385. JOSEPH KITCHIN, of Liverpool, in the County of Lancaster, Ventilating Engineer, for an invention for—"Improvements in ventilators." <i>Provisional protection only.</i>
MENNONS. 28th August 1862.	2386. MARC ANTOINE FRANCOIS MENNON, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"Improvements in smoke-consuming furnaces."— <i>A communication from Bernard Palazot, a person resident at Bourdeaux (Dept. de la Gironde), in France.</i> <i>Complete specification; Letters Patent sealed.</i>

- MENNONS.
28th August 1862. 2387. MARC ANTOINE FRANCOIS MENNONS, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"An improved assorting apparatus applicable to the 'numbering' of raw silks."—*A communication from Henri Travi, a person resident at Lyons (Dept. du Rhône), in France.* Complete specification; Letters Patent sealed.
- BIDDLE.
28th August 1862. 2388. GEORGE BIDDLE, of Birmingham, in the County of Warwick, Brush Maker, for an invention for—"An improvement or improvements in the manufacture of brooms." Provisional protection only.
- NOECKEL.
28th August 1862. 2389. JOHN JACOB NOECKEL, of Rouen, in the empire of France, Engineer, for an invention for—"Improvements in machinery or apparatus for spinning cotton, wool or other fibrous materials." Letters Patent sealed.
- LACHENAL.
28th August 1862. 2390. ELIZABETH LACHENAL, of Little James Street, Bedford Row, in the County of Middlesex, Widow and Executrix of Louis Lachenal, of Little James Street aforesaid, deceased, for an invention for—"Improvements in gas meters."—*A communication to her by the inventor her said late husband Louis Lachenal.* Letters Patent sealed.
- HUSBAND.
28th August 1862. 2391. WILLIAM HUSBAND, of Hayle, in the County of Cornwall, for an invention for—"Improvements in water valves." Letters Patent sealed.
- COOKE.
28th August 1862. 2392. GRATTAN COOKE, of Mornington Crescent, Hampstead Road, in the County of Middlesex, Member of the Royal Academy of Music, for an invention for—"An improved apparatus for securing or fastening doors to prevent robbery or intrusion." Provisional protection only.
- HUMFREY.
28th August 1862. 2393. CHARLES HUMFREY, of Suffolk Grove, Southwark, in the County of Surrey, Oil Merchant, for an invention for—"Improvements in the treatment of petroleum to render it non-inflammable." Provisional protection only.
- GUILBAUD.
THIRÉ.
29th August 1862. 2394. PIERRE LEONARD GUILBAUD, and NAPOLÉON VICTOR THIRÉ, both of Paris, 60, Boulevard de Strasbourg, Practical Engineers, for an invention for—"An improved self-inking hand-stamp." Provisional protection only.
- JONES.
29th August 1862. 2395. HENRY JONES, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in breech-loading fire-arms." Letters Patent sealed.
- LEFRANC.
29th August 1862. 2396. FRANÇOIS HENRY LEFRANC, of Paris, France, Gentleman, for an invention for—"Improvements in the manufacture of casks." Letters Patent sealed.
- SMITH.
29th August 1862. 2397. WILLIAM SMITH, of No. 19, Salisbury Street, Adelphi, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of furnaces."—*A communication to him from abroad by Joseph Philippe Toussaint Bordone, of Genoa, in the Kingdom of Italy.* Provisional protection only.
- DAVIS.
29th August 1862. 2398. JOHN DAVIS, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"Improvements in the manufacture of spoons, forks and similar articles."—*A communication to him from abroad by Florian Grosjean, of the County and State of New York, North America.* Letters Patent sealed.
- HARBEN.
29th August 1862. 2399. HENRY HARBEN, of Oxford Villa, Haverstock Hill, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of cotton, cotton fibre, and other similar fibrous productions." Provisional protection only.
- DYSON.
29th August 1862. 2400. GEORGE WALTER DYSON, of Tinsley, in the County of York, Forge and Mill Manager, for an invention for—"Improvements in machinery for finishing and polishing circular metal rods, bars, and shafts, applicable also to the manufacture of metal tubes and pipes." Letters Patent sealed.
- OWEN.
29th August 1862. 2401. WILLIAM OWEN, of Rotherham, in the County of York, Engineer, for an invention for—"Improvements in the manufacture of railway wheels and tyres, and in securing tyres to wheels." Letters Patent sealed.
- MACKENZIE.
SMITH.
29th August 1862. 2402. PHILIP WALLACE MACKENZIE, of Jersey City, in the County of Hudson, and State of New Jersey, and STEPHEN WILLIAM SMITH, of Brooklyn, in the County of Kings, and State of New York, United States of America, for an invention for—"Improvements in vehicles to be propelled by the rider." Letters Patent sealed.

BISHOP. 29th August 1862.	2403. REGINALD COURTENAY BISHOP of Kingston, Jamaica, of Craigton, Kingston, Jamaica, for an invention for—"Improvements in obtaining motive-power." <i>Provisional protection only.</i>
UPFILL. MORTON. ASBURY. 29th August 1862.	2404. WILLIAM UPFILL, and WILLIAM MORTON, of Birmingham, in the County of Warwick, Iron Merchants and Manufacturers, and WILLIAM ASBURY, of the same place, Engineer, for an invention for—"Improvements in the construction of wheels and axle-trees for carriages." <i>Letters Patent sealed.</i>
PONTIFEX. 29th August 1862.	2405. EDMUND ALFRED PONTIFEX, of Shoe Lane, in the City of London, Engineer, for an invention for—"Improvements in steam traps or apparatus for facilitating the escape of condensed steam." <i>Letters Patent sealed.</i>
HUGHES. 30th August 1862.	2406. EDWARD THOMAS HUGHES, of the Firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in the manufacture of woven fabrics and in apparatus employed therein."— <i>A communication to him from abroad by Adolphus Henry Polko, of Ratibor, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>
HARDING. DOODY. 30th August 1862.	2407. EDWARD CHARLTON HARDING, and CHARLES DOODY, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in braces." <i>Letters Patent sealed.</i>
CONTE. 30th August 1862.	2408. FELIX LE CONTE, of No. 10, Rue des Tarisses, Tournay, in the Kingdom of Belgium, for an invention for—"Improvements in the construction of furnaces for steam-boilers used in sugar mills, distilleries, breweries and other mills or factories." <i>Letters Patent sealed.</i>
GEDGE. 30th August 1862.	2409. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agents, for an invention for—"Improvements in machinery or apparatus for manufacturing velvet."— <i>A communication to him from abroad by François Joseph Ernest Flambermont and Louis Lefebvre, of No. 15, Passage des Petites Ecuries, Paris, France.</i> <i>Provisional protection only.</i>
JOHNSON. 30th August 1862.	2410. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in coating or covering metallic surfaces with copper."— <i>A communication to him from abroad by Charles François Leopold Oudry, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
MEYER. 30th August 1862.	2411. JOHN MEYER, of Kennington, in the County of Surrey, Mechanician, for an invention for—"Improvements in mechanism for the production of jacquard cards, and in the said cards or card-bands." <i>Letters Patent sealed.</i>
ALLEYNE. ROBERTS. 1st September 1862.	2412. JOHN GAY NEWTON ALLEYNE, of the Butterley Iron Works, Alfreton, in the County of Derby, and JULIUS ROBERTS, of No. 3, Essex Court, Temple, in the County of Middlesex, Captain in the Royal Marine Artillery, for an invention for—"Improvements in the manufacture of flanged wrought iron or steel plates, and of wrought iron beams and frames of a trough-shaped section, and in the apparatus employed for that purpose." <i>Letters Patent sealed.</i>
NICKSON. WADDINGHAM. 1st September 1862.	2413. JOHN NICKSON, of Manchester, in the County of Lancaster, Plasterer, and THOMAS WADDINGHAM, junior, of the same place, Architect, for an invention for—"An improved foundation or groundwork for plaster for ceilings, walls, partitions and other purposes." <i>Letters Patent sealed.</i>
WALKER. 1st September 1862.	2414. JAMES WALKER, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist, for an invention for—"Improvements in the treatment of kelp, and in the manufacture of products therefrom." <i>Letters Patent sealed.</i>
GEDGE. 1st September 1862.	2415. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for washing the felts of paper-making machines."— <i>A communication to him from abroad by François de Rindac, of Huysenghon, Belgium.</i> <i>Provisional protection only.</i>
ELLIS. 1st September 1862.	2416. JOHN ELLIS, of the Firm of John Ellis, junr., & Co., of Old Market Street, Bristol, in the County of Gloucester, Stay Manufacturer, for an invention for—"Improvements in corsets." <i>Letters Patent sealed.</i>

WHITEHEAD. 1st September 1862.	2417. JAMES WHITEHEAD, of Newton Moor, in the County of Chester, for an invention for—"Improvements in machinery or apparatus for preparing, spinning and doubling cotton, wool and other fibrous materials." <i>Letters Patent sealed.</i>
FITTON. 1st September 1862.	2418. EDWARD GERRARD FITTON, of Ardwick, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery for winding yarn or thread on to bobbins or spools." <i>Letters Patent sealed.</i>
WATT. HAVISIDE. 1st September 1862.	2419. JOHN WATT, of No. 13, Graham Street, Walworth, Surrey, Chemist, and THOMAS SNAITH HAVISIDE, of 69, Cornhill, in the City of London, Gentleman, for an invention for—"An improved method of treating flax and other similar vegetable fibrous substances to be used as substitutes for cotton." <i>Letters Patent sealed.</i>
EDGE. 1st September 1862.	2420. WILLIAM CHARLES EDGE, of Clerkenwell, in the County of Middlesex, for an invention for—"Improvements in the manufacture of Albert chains, and in the mode of securing the same to the vest of the wearer." <i>Provisional protection only.</i>
CLARK. 1st September 1862.	2421. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means of obtaining light and heat and in apparatus for the same."— <i>A communication to him from abroad by Mr. Marin Joseph Alphonse Mille, of 29, Boulevard St. Martin, Paris, Miner.</i> <i>Letters Patent sealed.</i>
JOHNSON. 1st September 1862.	2422. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the manufacture of braid and in machinery or apparatus employed therein."— <i>A communication to him from abroad by Thomas James Sloan, of Paris, in the Empire of France, Engineer.</i> <i>Provisional protection only.</i>
JOHNSON. 1st September 1862.	2423. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in apparatus for regulating or controlling the working of motive-power engines, applicable also to the regulation of the flow of liquid, air or gas through pipes or conduits."— <i>A communication to him from abroad by Ernest Ulysse Parod, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
PEEBLES. 2nd September 1862.	2424. DAVID BRUCE PEEBLES, of Edinburgh, in the County of Mid Lothian, North Britain, Engineer, for an invention for—"Improvements in wet gas meters." <i>Provisional protection only.</i>
MOSHEIMER. 2nd September 1862.	2425. JOSEPH MOSHEIMER, of Manchester, in the County of Lancaster, Chemist, for an invention for—"Certain improvements in machinery for amalgamating gold and silver or the ores thereof." <i>Letters Patent sealed.</i>
HUNT. 2nd September 1862.	2426. WILLIAM HUNT, of Tipton, in the County of Stafford, Manufacturing Chemist, for an invention for—"An improvement or improvements in the manufacture of muriate of ammonia." <i>Letters Patent sealed.</i>
TRIGG. 2nd September 1862.	2427. HARRY RICHARD TRIGG, 1, Guildford Place, Lower Kennington Lane, in the County of Surrey, for an invention for—"An improved fire-escape, it can be made portable or as a fixture." <i>Provisional protection NOT granted.</i>
GLANVILLE. 2nd September 1862.	2428. RICHARD GLANVILLE, of Bermondsey, in the County of Surrey, Engineer, for an invention for—"Certain improvements in marine and other engines." <i>Letters Patent sealed.</i>
WAYGOOD. 2nd September 1862.	2429. RICHARD WAYGOOD, of Newington, in the County of Surrey, Engineer, for an invention for—"Improvements in steam boilers." <i>Provisional protection only.</i>
ROBERTS. 2nd September 1862.	2430. WILLIAM ROBERTS, of Millwall, in the County of Middlesex, for an invention for—"Improvements in apparatus for regulating the amount of water discharged by a pump, chiefly applicable for regulating the amount of water thrown by a steam fire-engine or for regulating the amount of water fed to a steam-boiler." <i>Provisional protection only.</i>
THOMPSON. 2nd September 1862.	2431. JACOB BAYNES THOMPSON, of Moreton Place, St. George's Square, Pimlico, in the County of Middlesex, for an invention for—"Improvements in electro-magnetic machines." <i>Letters Patent sealed.</i>

BROOKE. 2nd September 1862	2432. SIR WILLIAM O'SHAUGHNESSY BROOKE, of Euston Place, in the County of Middlesex, for an invention for—"Improvements in the construction of submarine telegraphic cables." <i>Letters Patent sealed; no specification filed.</i>
JOHNSTON. 2nd September 1862.	2433. ALEXANDER JOHNSTON, of No. 49, Arlington Street, Woodland Road, Glasgow, for an invention for—"Improvements in machinery for pressing cotton and other materials and in bands for retaining the same in bales." <i>Letters Patent sealed.</i>
GARTON. 3rd September 1862.	2434. CHARLES GARTON, of the City and County of Bristol, Brewer, for an invention for—"An improved method of applying heat in the manufacture and refining of sugar, and in malting, hop drying, brewing, distilling and vinegar making." <i>Provisional protection only.</i>
ELLIOTT. 3rd September 1862.	2435. HENRY ELLIOTT, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"A new or improved instrument or apparatus for extracting the cases of pin cartridges from breech loading fire-arms, and for recapping, recharging and closing or turning in the said cartridge cases." <i>Provisional protection only.</i>
BAKEWELL. 3rd September 1862.	2436. FREDERICK COLLIER BAKEWELL, of No. 6, Haverstock Terrace, Hampstead, in the County of Middlesex, for an invention for—"Improvements in fire-places and stoves."— <i>A communication to him from abroad by Marshall Daniel Wellman, of Allegheny City, in the State of Pennsylvania, North America.</i> <i>Letters Patent sealed.</i>
WALTON. 3rd September 1862.	2437. GEORGE WALTON, of Bradford, in the County of York, Manufacturer, for an invention for—"Improvements in circular box looms." <i>Provisional protection only.</i>
ATKINSON. 3rd September 1862.	2438. WILLIAM HENRY ATKINSON, of the Cavendish Club, Regent Street, in the County of Middlesex, Gentleman, for an invention for—"Improvements in studs or fastenings adapted to holding together parts of shirt fronts, wrist bands, collars, gloves and other articles of wearing-apparel." <i>Letters Patent sealed; no specification filed.</i>
CLARK. 3rd September 1862.	2439. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in musical instruments."— <i>A communication to him from abroad by Mr. Auguste Buffet, junior, of 29, Boulevard St. Martin, Paris, Musical Instrument Maker.</i> <i>Provisional protection only.</i>
DYSON. 3rd September 1862.	2440. ELI DYSON, of Little Hulton, near Bolton, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in throstle spinning and doubling machines." <i>Letters Patent sealed.</i>
BROOMAN. 3rd September 1862.	2441. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in tools for boring and in apparatus for working the same."— <i>A communication to him from abroad by Jean Rodolphe Leschot, of 16, Rue St. Louis, Paris, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 3rd September 1862.	2442. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for transmitting electric telegraph messages and signals."— <i>A communication to him from abroad by Theodore Auguste Marie Sortais, of Lisieux, France.</i> <i>Provisional protection only.</i>
BOSSARD. 3rd September 1862.	2443. PETER JOHN BOSSARD, of Kennington Road, in the County of Surrey, Merchant, for an invention for—"Improvements in stoppers for bottles, jars, guns, tubes and other open mouthed articles, in taps, and in fixing them in casks and other vessels."— <i>A communication to him from abroad by Louis Alexandre Farjon, of Paris, France.</i> <i>Letters Patent sealed.</i>
COOK. 4th September 1862.	2444. JOHN COOK, Esqr., of No. 9, Fitzroy Place, Kentish Town, in the County of Middlesex, for an invention for—"Improvements in carriages." <i>Provisional protection only.</i>
COWAN. 4th September 1862.	2445. BENJAMIN FRANKLIN COWAN, of Memphis, State of Tennessee, America, but now residing at the Victoria Hotel, Euston Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in cannon and other fire-arms." <i>Letters Patent sealed.</i>

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| <p>CLARK.
4th September 1862.</p> <p>PLATT.
RICHARDSON.
4th September 1862.</p> <p>EMERY.
4th September 1862.</p> <p>COLES.
4th September 1862.</p> <p>PLATT.
RICHARDSON.
4th September 1862.</p> <p>SLATER.
HARRIS.
5th September 1862.</p> <p>BOVILL.
5th September 1862.</p> <p>HART.
5th September 1862.</p> <p>SAMUEL.
5th September 1862.</p> <p>MARGETSON.
5th September 1862.</p> <p>WELLS.
5th September 1862.</p> <p>NEWTON.
5th September 1862.</p> <p>HADLEY.
5th September 1862.</p> <p>JOHNSON.
HARRISON.
5th September 1862.</p> | <p>2446. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of a blue coloring matter."—<i>A communication to him from abroad by Mr. Charles Philippe Collin, of 29, Boulevard St. Martin, Paris, Merchant.</i>
<i>Letters Patent sealed.</i></p> <p>2447. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM RICHARDSON, of the same place, Mechanical Engineer, for an invention for—"Improvements applicable to the burning of bricks, tiles and other articles of earthenware."
<i>Letters Patent sealed.</i></p> <p>2448. HORACE LEEMAN EMERY, of Albany, State of New York, United States of America, but now residing at Foulis Terrace, Brompton, in the County of Middlesex, Agricultural Implement Maker, for an invention for—"Improved machinery for ginning cotton."
<i>Letters Patent sealed.</i></p> <p>2449. RICHARD PIPES COLES, of Englefield Road, in the Parish of Islington, Surveyor, for an invention for—"Improvements in the construction of the permanent way of railways."
<i>Letters Patent sealed.</i></p> <p>2450. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM RICHARDSON, of the same place, Mechanical Engineer, for an invention for—"Improvements in the preparation of clay for the manufacture of bricks, tiles and other articles which may be made of such material."
<i>Letters Patent sealed.</i></p> <p>2451. WILLIAM SLATER, of Little Bolton, in the County of Lancaster, Manager, and WILLIAM RANDALL HARRIS, of Salford, in the County of Lancaster, Engineer, for an invention for—"Improvements in self-stripping carding-engines, for preparing cotton and other fibrous substances or materials."
<i>Provisional protection only.</i></p> <p>2452. WILLIAM EDWARD BOVILL, of No. 22, James Street, Buckingham Gate, in the City of Westminster, Civil Engineer, for an invention for—"An improvement in the mode of applying oil and other fluid lubricating matters to machinery."—<i>A communication to him from abroad by Louis Edouard Auguste Gobert, of the City of Brussels, Ingenieur en Chef of the Belgian State Railways.</i>
<i>Letters Patent sealed.</i></p> <p>2453. HERBERT WILLIAM HART, of Fleet Street, in the City of London, Engineer, for an invention for—"Improvements in argand and other burners."
<i>Letters Patent sealed; no specification filed.</i></p> <p>2454. DAVID ARTHUR SAMUEL, of Belvedere, in the County of Kent, for an invention for—"Improvements in apparatus for steering vessels."
<i>Provisional protection only.</i></p> <p>2455. JOHN STEWART MARGETSON, of the Firm of Welch, Margetson, and Company, of Cheapside, in the City of London, for an invention for—"Improvements in the manufacture of the material intended for scarfs or cravats and in the machinery employed therein."
<i>Letters patent sealed.</i></p> <p>2456. WILLIAM WELLS, of Ryders Court, Leicester Square, in the County of Middlesex, for an invention for—"Improvements in horse-shoes and in the method of fastening the same."
<i>Provisional protection only.</i></p> <p>2457. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in lamps."—<i>A communication to him from abroad by John Jacob Miller and Ernst Prussing, both of Chicago, State of Illinois, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>2458. SIDNEY HOPTON HADLEY, of the City Mills, Upper Thames Street, in the City of London, for an invention for—"An improved process for manufacturing gas for illumination."
<i>Letters Patent sealed.</i></p> <p>2459. JOHN ROBERT JOHNSON, of Stanbrook Cottage, Hammersmith, in the County of Middlesex, and JOHN ASHWORTH HARRISON, of 25, St. Andrew's Road, Southwark, in the County of Surrey, for an invention for—"Improvements in apparatus for taking photographic panoramic pictures."
<i>Letters Patent sealed.</i></p> |
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HUNTLEY. 6th September 1862.	2460. SAMUEL HAZARD HUNTLEY, of No. 50, Upper Baker Street, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in cooking apparatus more particularly applicable to the requirements of the army and navy." <i>Letters Patent sealed.</i>
SNIDER. 6th September 1862.	2461. JACOB SNIDER, junior, of Pennsylvania, United States of America, late of Paris, Empire of France, now of No. 51, Dorset Street, London, for an invention for—"A new and useful method of increasing the durability of and for preserving cloths and other like fabrics used for sails, tarpaulings, tents and other coverings, also all kinds of ropes and cables and telegraph wires, also all woods, metals and other materials used in buildings or constructions on land or on water, and all objects exposed to the action of acids, alkalis, gases, fire, fresh or salt water, atmospheric or other like destructive influences, by the application of graphite." <i>Letters Patent sealed.</i>
PUDNEY. 6th September 1862.	2462. SAMUEL PUDNEY, of 37, Manor Street, Clapham, in the County of Surrey, for an invention for—"Improvements in apparatus to be used in the manufacture of sulphuric acid." <i>Letters Patent sealed.</i>
HUGHES. 6th September 1862.	2463. HESKETH HUGHES, of Homerton, in the County of Middlesex, Engineer, for an invention for—"An improved frilled and fluted fabric or material, and improvements in fluting or goffering machines." <i>Letters Patent sealed.</i>
DUNCAN. 6th September 1862.	2464. EMMA LOUISA DUNCAN, of Inverness Road, Bayswater, in the County of Middlesex, for an invention for—"Improvements in the manufacture of splints." <i>Letters Patent sealed.</i>
JOHNSON. 6th September 1862.	2465. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in fire-arms and projectiles."— <i>A communication to him from abroad by Louis Michel Descoutures, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
CURTIS. 6th September 1862.	2466. WILLIAM JOSEPH CURTIS, of Tufnel Park Road, Holloway, in the County of Middlesex, Civil Engineer, for an invention for—"An improved construction of breech-loading cannon." <i>Provisional protection only.</i>
RICHARDS. 6th September 1862.	2467. WILLIAM ANTIL RICHARDS, of Chester Cottage, Cornwall Place, Holloway, in the County of Middlesex, Commercial Clerk, for an invention for—"An improved fastening for purses, pocket-books, bags, cigar cases, books, wearing apparel, jewellery and other articles." <i>Letters Patent sealed.</i>
WILLIAMS. 8th September 1862.	2468. CHARLES WYE WILLIAMS, of Liverpool, in the County Palatine of Lancaster, Gentleman, for an invention for—"Improvements in steam boilers." <i>Letters Patent sealed.</i>
ARTINGSTALL. 8th September 1862.	2469. FREDERICK DICAS ARTINGSTALL, of the City of Manchester, in the County of Lancaster, Balance Maker, for an invention for—"Improvements in balances." <i>Letters Patent sealed.</i>
CROSLAND. 8th September 1862.	2470. JAMES STEAD CROSLAND, of Ashton-under-Lyne, in the County of Lancaster, Engineer, for an invention for—"Improvements in the manufacture of tubes made of copper and of copper combined with other metals." <i>Provisional protection only.</i>
WHITEHEAD. 8th September 1862.	2471. JAMES WHITEHEAD, of David Street, in the City of Manchester, Commission Agent, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
HARTSHORN. REDGATE. 8th September 1862.	2472. JAMES HARTSHORN, of the Mansfield Road, Nottingham, Lace Manufacturer, and WILLIAM REDGATE, of Nottingham, Draughtsman, for an invention for—"Improvements in means or apparatus for the manufacture of lace fabrics." <i>Letters Patents sealed.</i>
FINK. 8th September 1862.	2473. CHARLES FINK, of Berlin, in the Kingdom of Prussia, Professor of Mechanics, for an invention for—"An improved turbine." <i>Provisional protection only.</i>
BELDING. 8th September 1862.	2474. GEORGE WASHINGTON BELDING, of No. 7, King Street, Cheapside, in the City of London, for an invention for—"Improvements in wringing machines."— <i>A communication to him from abroad by Arthur Silbert Denny, of New Orleans, Louisiana, United States of America.</i> <i>Letters Patent sealed.</i>

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| <p>DAVIES.
8th September 1862.</p> <p>ALDERMAN.
8th September 1862.</p> <p>WEBSTER.
9th September 1862.</p> <p>RAINIER.
9th September 1862.</p> <p>MAURICE.
9th September 1862.</p> <p>SELBY.
9th September 1862.</p> <p>HIRST.
9th September 1862.</p> <p>WALKER.
9th September 1862.</p> <p>FLEITMANN.
9th September 1862.</p> <p>SAUNDERS.
10th September 1862.</p> <p>SAUNDERS.
10th September 1862.</p> <p>SMITH.
10th September 1862.</p> <p>ROTHERA.
10th September 1862.</p> <p>HANDS.
HOLLAND.
10th September 1862.</p> <p>VIGOUROUX.
10th September 1862.</p> | <p>2475. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in railway signals."—<i>A communication to him from abroad by Jean Baptiste Java Mignon and Stanislas Henri Rouart, both of Paris, France, Engineers.</i>
<i>Provisional protection only.</i></p> <p>2476. ALEXANDER JARDINE ALDERMAN, of 59, Guildford Street, in the Parish of St. George's, Bloomsbury, in the County of Middlesex, Gentleman, for an invention for—"Improvements in ships' windlasses, capstans and cable stoppers, applicable generally to hauling and working with chains."
<i>Letters Patent sealed.</i></p> <p>2477. JOHN WEBSTER, of 142, Woodbridge Road, Ipswich, in the County of Suffolk, for an invention for—"Improvements in preventing the incrustation of steam-boilers."
<i>Provisional protection only.</i></p> <p>2478. PETER RAINIER, of The Cedars, Shirley, near Southampton, in the County of Hants, Lieutenant in the Royal Navy, for an invention for—"Improvements in watches, chronometers and other time-keepers."
<i>Provisional protection only.</i></p> <p>2479. JOSEPH MAURICE, of No. 3, Langham Place, Regent Street, in the County of Middlesex, Dentist, for an invention for—"Improvements in the construction and preservation of ships and vessels."
<i>Provisional protection only.</i></p> <p>2480. FRASER SELBY, of Surbiton, in the County of Surrey, Engineer, for an invention for—"Improvements in traction engines and in valves for traction engines where compound engines are used, which latter improvements are applicable to compound engines generally."
<i>Letters Patent sealed.</i></p> <p>2481. WILLIAM HIRST, of Halifax, in the County of York, Bookkeeper, for an invention for—"Improvements in machinery to be employed in the manufacture of paper or linen spool tubes, which machinery is also applicable for the manufacture of cartridge cases."
<i>Letters Patent sealed.</i></p> <p>2482. JOSEPH WALKER, of Norwich, in the County of Norfolk, Millwright, for an invention for—"Improvements in the manufacture of oil presses."
<i>Provisional protection only.</i></p> <p>2483. THEODOR FLEITMANN, of Iserlohn, in the Kingdom of Prussia, Doctor of Philosophy, for an invention for—"Improvements in the manufacture of copper from copper ores."
<i>Provisional protection only.</i></p> <p>2484. JONES SAUNDERS, of No. 7, Morden Place, Lewisham Road, in the County of Kent, Engineer, for an invention for—"Improvements in lamps."
<i>Letters Patent sealed.</i></p> <p>2485. JONES SAUNDERS, of No. 7, Morden Place, Lewisham Road, in the County of Kent, Engineer, for an invention for—"A new or improved railway break."
<i>Letters Patent sealed.</i></p> <p>2486. MARK SMITH, of the Firm of Messieurs William Smith and Brothers, of Heywood, in the County of Lancaster, Machine Makers, for an invention for—"Improvements in machinery for raising the nap on woven fabrics."—<i>A communication to him from abroad by Carl Martin May, of München, Gladbach, in the Kingdom of Prussia, Cotton Spinner.</i>
<i>Letters Patent sealed.</i></p> <p>2487. WILLIAM ROTHERA, of Hollinwood, near Manchester, in the County of Lancaster, Bolt Maker and Machinist, for an invention for—"Improvements in machinery or apparatus for rivetting boiler plates, tanks and similar articles."
<i>Letters Patent sealed.</i></p> <p>2488. FREDERIC HANDS, of Birmingham, in the County of Warwick, Gentleman, and HENRY HOLLAND, of Birmingham, aforesaid, Black Ornament Maker, for an invention for—"New or improved compositions for the manufacture of black ornaments such as brooches, bracelets, ear-rings and other ornaments usually made of jet, which said compositions may also be applied to the manufacture of various other articles."
<i>Letters Patent sealed.</i></p> <p>2489. JOSEPH VIGOUROUX, of Nîmes, in the department of the Gard, in the Empire of France, Metal Founder, for an invention for—"An inoxydable white metal suitable for making taps or cocks and other useful articles."
<i>Letters Patent sealed.</i></p> |
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BARCLAY. 10th September 1862.	2490. ANDREW BARCLAY, of Kilmarnock, in the County of Ayr, North Britain, Engineer, for an invention for—"Improvements in traction engines, and in apparatus for indicating the pressure of steam." <i>Provisional protection only</i>
RITCHIE. 10th September 1862.	2491. GEORGE RITCHIE, of Edinburgh, in the County of Mid-Lothian, North Britain, Brewer, for an invention for—"Improvements in extracting the liquid portion of yeast, spent hops, or other similar matters, and in the apparatus employed therein." <i>Letters Patent sealed.</i>
BOUSFIELD. 10th September 1862.	2492. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machinery used in the manufacture of files."— <i>A communication to him from abroad by William Pickett Pierce, a person resident at Boston, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
RIGG. 10th September 1862.	2493. ARTHUR RIGG, junior, of Chester, for an invention for—"Improvements in apparatus for carrying and tipping coal and other minerals, and in steam brakes used therewith and with other machinery." <i>Letters Patent sealed.</i>
BOUSFIELD. 10th September 1862.	2494. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machinery for cutting files."— <i>A communication to him from abroad by William Pickett Pierce, a person resident at Boston, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
MUNN. 11th September 1862.	2495. WILLIAM AUGUSTUS MUNN, of Throwley House, Faversham, in the County of Kent, late a Major in the East Kent Regiment of Militia, for an invention for—"An improved apparatus for capping, loading and closing cartridges for breech-loading fire-arms." <i>Letters Patent sealed.</i>
STEEL. 11th September 1862.	2496. THOMAS STEEL, of Bradford, in the County of York, for an invention for—"Improvements in treating soap suds or other saponaceous or oily matters." <i>Provisional protection only.</i>
WEEKS. 11th September 1862.	2497. GEORGE WEEKS, of Bromley, in the County of Kent, Ironmonger, for an invention for—"Improvements in constructing frames, trays, pots or holders for flowers, plants or shrubs growing or otherwise, with arrangements for their display and also for drainage." <i>Letters Patent sealed.</i>
HUMPHREY. 11th September 1862.	2498. CHARLES ROBERT HUMPHREY, of the Firm of Humphrey and Hasler, of 69, Old Street, St. Luke's, in the County of Middlesex, Engineers and Machinists, for an invention for—"Improvements in printing-machinery." <i>Provisional protection only.</i>
DATICHY. 11th September 1862.	2499. FLORIMOND DATICHY, of Mortimer Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in steam-engines." <i>Provisional protection only.</i>
HELMSLEY. 11th September 1862.	2500. JOHN HELMSLEY, of Melbourne, in the County of Derby, Manufacturer, for an invention for—"An improved fabric or material for scarfs, ties, handkerchiefs and neckerchiefs." <i>Letters Patent sealed.</i>
BROOMAN. 11th September 1862.	2501. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in implements for cultivating the soil."— <i>A communication to him from abroad by Victor Amedée De Gabriac, of Marseilles, France.</i> <i>Letters Patent sealed.</i>
CLARK. 11th September 1862.	2502. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in cigar and cigarette cases."— <i>A communication to him from abroad by Mr. Joseph Schoenfeld, of 29, Boulevard St. Martin, Paris, Leather Case Manufacturer.</i> <i>Letters Patent sealed.</i>
HOYAU. 11th September 1862.	2503. LOUIS CONSTANT HOYAU, of Paris, but temporary of 4, South Street, Finsbury, London, Watch Maker, for an invention for—"An improved portable apparatus for marking time." <i>Letters Patent sealed.</i>
THOMSON. 11th September 1862.	2504. JOHN THOMSON, of the Seafield Works, Dundee, in the County of Forfar, North Britain, Spinner and Manufacturer, for an invention for—"Improvements in the treatment of vegetable fibres with a view to their manufacture into textile fabrics." <i>Letters Patent sealed.</i>

BARCLAY. 11th September 1862.	2505. ANDREW BARCLAY, of Kilmarnock, in the County of Ayr, North Britain, Engineer, for an invention for—"Improvements in locomotive boring and winding engines." <i>Provisional protection only.</i>
RICHARDS. 11th September 1862.	2506. WESTLEY RICHARDS, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in fire-arms and cartridges." <i>Letters Patent sealed.</i>
WALKER. WALKER. 11th September 1862.	2507. JOHN WALKER, and FREDERICK WALKER, of Leeds, in the County of York, Flax Spinners and Copartners, for an invention for—"Improvements in machinery for combing and carding or hackling flax, silk, wool and other fibrous substances." <i>Letters Patent sealed.</i>
WARD. 11th September 1862.	2508. PETER WARD, of 2, Clouds Hill Villas, St. George's, Bristol, for an invention for—"Improvements in the manufacture of a double sulphide of calcium and sodium." <i>Letters Patent sealed.</i>
MOLINEUX. 11th September 1862.	2509. THOMAS MOLINEUX, of 37, John Dalton Street, Manchester, for an invention for—"Improvements in pianoforte actions." <i>Letters Patent sealed.</i>
WHYTOCK. 11th September 1862.	2510. ANDREW WHYTOCK, of Landsdowne Terrace, Gloucester Road North, Regent's Park, in the County of Middlesex, Galvanized Iron Merchant, for an invention for—"Improvements in the construction of coated and uncoated sheet iron boxes, and in the mode of and apparatus for straightening coated and uncoated sheet iron." <i>Letters Patent sealed.</i>
BUTLER. 12th September 1862.	2511. AMBROSE EDMUND HEATH BUCKLEY BUTLER, of the Kirkstall Forge Company, Leeds, in the County of York, for an invention for—"Improvements in machinery for straightening and polishing cylindrical bars of iron and other metals." <i>Letters Patent sealed.</i>
SMITH. 12th September 1862.	2512. JOHN BURNS SMITH, of Bury, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in washing and mangling machines, applicable in part to steam dyeing and to bleaching." <i>Letters Patent sealed.</i>
THOM. 12th September 1862.	2513. JAMES THOM, of Canterbury Place, Lambeth, in the County of Surrey, Mechanical Dentist, for an invention for—"Improvements in mounting or fitting artificial teeth." <i>Letters Patent sealed.</i>
JOHNSON. ATKINSON. 12th September 1862.	2514. JOHN ROBERT JOHNSON, of Stanbrooke Cottage, Hammersmith, and JOHN STAINES ATKINSON, of No. 31, Red Lion Square, both in the County of Middlesex, for an invention for—"Improvements in machinery for manufacturing printing types." <i>Letters Patent sealed.</i>
BOWER. 12th September 1862.	2515. JOHN BOWER, of Carlow, in the County of Carlow, Civil Engineer, for an invention for—"Improvements in railway sleepers." <i>Provisional protection only.</i>
ROWELL. 12th September 1862.	2516. JOSEPH ROWELL, of the City and County of Aberdeen, North Britain, Manufacturer, for an invention for—"Improvements in pillars and apparatus for straining wire." <i>Letters Patent sealed.</i>
HOWIE. 12th September 1862.	2517. JOHN HOWIE, of Hurlford, in the County of Ayr, North Britain, Coal Master, for an invention for—"Improvements in the construction of the crossings and switches of railways." <i>Provisional protection only.</i>
MOREAU. 12th September 1862.	2518. ALEXIS JEAN MOREAU, of Sherborne Street, Blandford Square, in the County of Middlesex, Chymist, for an invention for—"An improved mode of or process for reducing or melting pulverised metals or metallic ores." <i>Letters Patent sealed.</i>
HIGGINS. 12th September 1862.	2519. HENRY HIGGINS, of Salford, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for opening, cleansing, or carding cotton and other fibrous materials." <i>Letters Patent sealed.</i>
BEDSON. 12th September 1862.	2520. GEORGE BEDSON, of Manchester, in the County of Lancaster, Manager, for an invention for—"Improvements in rolling wire and other rods or bars of metal." <i>Letters Patent sealed.</i>
HARKES. 13th September 1862.	2521. WILLIAM HARKES, of Lostock Gralam, in the County of Chester, Agricultural Implement Maker, for an invention for—"Improvements in machinery for mowing and reaping." <i>Provisional protection only.</i>

LEWIS. 13th September 1862.	2522. HENRY JAMES LEWIS, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in engines to be worked by means of water." <i>Letters Patent sealed.</i>
CHADWICK. 13th September 1862.	2523. MATTHEW CHADWICK, of Chapel Field, near Manchester, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery for doubling, folding or plaiting cloth or other woven fabrics." <i>Provisional protection only.</i>
WILLIAMS. 13th September 1862.	2524. WILLIAM JAMES WILLIAMS, of Arundel Street, Strand, in the County of Middlesex, Merchant, for an invention for—"Improved apparatus or machinery for punching, cutting or pressing metal or other plates or substances, which said improvements are also applicable to tension rods." <i>Provisional protection only.</i>
COWAN. 13th September 1862.	2525. THOMAS WILLIAM COWAN, of the Kent Iron Works, Greenwich, Engineer, for an invention for—"Improvements in the construction of portable or fixed pumps." <i>Letters Patent sealed.</i>
NEWTON. 13th September 1862.	2526. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of and apparatus for sleeking, creasing and raising leather."— <i>A communication to him from abroad by William Thornton, of the City of Cincinnati, State of Ohio, United States of America.</i> <i>Letters Patent sealed.</i>
BENNETT. 13th September 1862.	2527. HENRY BENNETT, of Wombidge Iron Works, in the County of Salop, Iron Master, for an invention for—"Improvements in machinery or apparatus for the rolling of wire rods." <i>Letters Patent sealed.</i>
PALMER. 13th September 1862.	2528. WILLIAM PALMER, of Sutton Street, Clerkenwell, in the County of Middlesex, for an invention for—"Improvements in lamps and in apparatus used therewith." <i>Provisional protection only.</i>
CHANT. 15th September 1862.	2529. EDWARD GEORGE CHANT, of London, in the County of Middlesex, Gentleman, for an invention for—"Improvements in self-binding portfolios or holders for newspapers, music, documents, letters and other papers, or for woven or other fabrics or articles which it may be desired to bind or hold together." <i>Letters Patent sealed.</i>
RAWBONE. 15th September 1862.	2530. WILLIAM GEORGE RAWBONE, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in gun barrels and in machinery to be employed in effecting the said improvements, and in tools and machinery for producing inscriptions, ornaments and devices upon gun barrels, lock plates and other metallic parts of small arms, and for producing inscriptions upon saws and articles of cutlery generally." <i>Letters Patent sealed.</i>
PENDER. 15th September 1862.	2531. JOHN PENDER, of the City of Manchester, in the County of Lancaster, Merchant, for an invention for—"Improvements in hoops for fastening bales, and in machinery or apparatus for making the same." <i>Letters Patent sealed.</i>
BALMFORTH. 15th September 1862.	2532. EDMUND BALMFORTH, of Albion Mill, Batley, in the County of York, Millwright and Machine Maker, for an invention for—"Improvements in machinery employed in finishing textile fabrics, commonly called raising-gigs." <i>Letters Patent sealed.</i>
TIZARD. 15th September 1862.	2533. WILLIAM LITTELL TIZARD, of Mark Lane, in the City of London, Engineer, for an invention for—"Improvements in the construction of ships, vessels, cupolas and forts, and in apparatus employed therein." <i>Letters Patent sealed.</i>
RADLOFF. 15th September 1862.	2534. HENRY MARTIN RADLOFF, of Limehouse, in the County of Middlesex, Oil Refiner, for an invention for—"An improvement in vessels for filtering oils." <i>Letters Patent sealed.</i>
WEBSTER. 15th September 1862.	2535. JAMES WEBSTER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the manufacture of nitric and nitrous acids and other nitrogenous compounds." <i>Letters Patent sealed.</i>
ASTEL. 16th September 1862.	2536. EDOUARD ASTEL, of Paris, in the Empire of France, Draughtsman, for an invention for—"Improvements in urinary utensils also applicable to fixed and portable commodes." <i>Complete specification; Letters Patent sealed.</i>

WHINES. 16th September 1862.	2537. JOHN WHINES, of Pimlico, in the County of Middlesex, Carpenter, for an invention for—"Improved machinery for filling dipping clamps with tapers and match splints." <i>Letters Patent sealed.</i>
WEATHERDON. MONCKTON. 16th September 1862.	2538. BALDWIN FULFORD WEATHERDON, of Kingston-upon-Thames, in the County of Surrey, Civil Engineer, and EDWARD HENRY CRADOCK MONCKTON, of Fineshade Abbey, in the County of Northampton, for an invention for—"A new or improved engine for obtaining and applying motive-power." <i>Provisional protection only.</i>
BUNTING. 16th September 1862.	2539. JOHN GOLDING BUNTING, of the Office for Patents, 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"A mechanical horse break." <i>Provisional protection only.</i>
LEE. 16th September 1862.	2540. GEORGE LAWRENCE LEE, of Holborn Hill, in the City of London, Lithographic Artist, for an invention for—"Improvements in the manufacture of metallic shutters for shop-fronts, doors and windows." <i>Letters Patent sealed.</i>
FLEXEN. 16th September 1862.	2541. STEPHEN FLEXEN, of Brazier's Buildings, Farringdon Street, in the City of London, for an invention for—"Improvements in apparatus for ventilating railway and other carriages." <i>Letters Patent sealed.</i>
CLARK. 16th September 1862.	2542. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the treatment of peat and peat tar for the production or manufacture of various products, and in apparatus for the same."— <i>A communication to him from abroad by Mr. Leopold Eugene Lavigne, of 29, Boulevard St. Martin, Paris, Civil Engineer.</i> <i>Letters Patent sealed.</i>
MORELAND. 16th September 1862.	2543. RICHARD MORELAND, junior, of 5, Old Street, St. Luke's, in the County of Middlesex, for an invention for—"Improvements in machinery for preparing and cutting hops." <i>Letters Patent sealed.</i>
LAKIN. 16th September 1862.	2544. ROBERT LAKIN, of Ardwick, in the County of Lancaster, Machinist, for an invention for—"Improvements in the mode of plating or shielding ships of war." <i>Provisional protection only.</i>
JORDAN. 16th September 1862.	2545. HARPUR JORDAN, of the Town and County of Southampton, Engineer, for an invention for—"Improvements in rotatory engines." <i>Provisional protection only.</i>
GUYE. 16th September 1862.	2546. CHARLES EDWARD GUYE, of Fleurier, Canton Neuchatel, Switzerland, Watch Maker, for an invention for—"Improvements in apparatus for cutting and finishing the teeth of wheels."— <i>A communication to him from abroad by Victor Cibert, resident at Tours, in France.</i> <i>Provisional protection only.</i>
LEIGH. 17th September 1862.	2547. LEWIS LEIGH, of Seymour, Connecticut, United States of America, now residing at Manchester, in the County of Lancaster, for an invention for "Improvements in certain machinery for stretching and glossing silk, wool and other fibrous materials." <i>Letters Patent sealed.</i>
KEELER. 17th September 1862.	2548. SAMUEL C. KEELER, of the City of New York, United States of America, now residing at 29, Percy Street, Tottenham Court Road, London, for an invention for—"Improvements in veneer cutting machinery."— <i>A communication to him from abroad by John Sperry, of the City of New York, United States of America.</i> <i>Provisional protection only.</i>
CRANSTON, 17th September 1862.	2549. ROBERT CRANSTON, of London, Edinburgh and Glasgow, Hotel Proprietor, for an invention for—"An improved washing-machine." <i>Letters Patent sealed.</i>
SIMPSON. 17th September 1862.	2550. JAMES SIMPSON, of Hulme, in the County of Lancaster, Frame Maker, for an invention for—"An improved composition for coating or covering moulded or other surfaces and in apparatus for applying the same thereto." <i>Letters Patent sealed.</i>
NEWTON. 17th September 1862.	2551. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in watches or time-keepers."— <i>A communication to him from abroad by Henri Du Pasquier, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>

WATSON. WATSON. 17th September 1862.	2552. WILLIAM WATSON, and WILLIAM HENRY WATSON, both of Harrogate, in the County of York, Manufacturing Chemists, for an invention for—"An improved process or processes for the preparation of certain colouring matters from aniline." <i>Provisional protection only.</i>
DOUGLAS. 17th September 1862.	2553. JOSEPH DOUGLAS, of Blackfriars Road, in the County of Surrey, Ironmonger and Range Manufacturer, for an invention for—"Improvements in apparatus applicable to close fire ranges usually termed kitcheners, for the purposes of ventilation." <i>Letters Patent sealed.</i>
HASELTINE. 17th September 1862.	2554. GEORGE HASELTINE, of the International Patent Office, No. 100, Fleet Street, in the City of London, American Barrister at Law, for an invention for—"Improvements in apparatus for the manufacture of gas from petroleum oil and water, and from cannel coals, bituminous coals, schists, tar, crude coal oil or other hydrocarbons and water."— <i>A communication to him from abroad by James Edward Thomson, Gas Engineer, and Henry Youle Hind, Professor of Chemistry and Geology, both of the City of Toronto, Canada.</i> <i>Provisional protection only.</i>
JOHNSON. 17th September 1862.	2555. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in gas-burners."— <i>A communication to him from abroad by Jean Christophe Friedleben and Charles Bender, of Offenbach, in the Grand Duchy of Hesse-Darmstadt.</i> <i>Letters Patent sealed.</i>
MOND. 18th September 1862.	2556. LUDWIG MOND, of Hesse Cassel, Germany, at present residing at No. 38, Sydney Street, Brompton, in the County of Middlesex, for an invention for—"An improved method of obtaining hyponitric acid and nitric acid from nitrate of soda." <i>Provisional protection only.</i>
WHITEHEAD. 18th September 1862.	2557. PETER HALSTEAD WHITEHEAD, of Rawtenstall, in the County of Lancaster, Manufacturer, for an invention for—"An improved support or stand for casks, barrels or other similar vessels." <i>Letters Patent sealed.</i>
KAY. 18th September 1862.	2558. ROBERT KAY, of Castleton Print Works, Blue Pits, in the County of Lancaster, Calico Printer, for an invention for—"Certain improvements in printing calico and other surfaces and in apparatus connected therewith." <i>Provisional protection only.</i>
TODD. TODD. 18th September 1862.	2559. WILLIAM TODD, of Heywood, in the County of Lancaster, Spinner and Manufacturer, and JACOB TODD, of the same place, Engineer, for an invention for—"Improvements in machinery or apparatus for collecting waste or fly from spinning machinery whether for cotton or any other fibrous material." <i>Letters Patent sealed.</i>
BROWNE. ARMSTRONG. 18th September 1862.	2560. WILLIAM HERBERT BROWNE, of Theobald's Road, and HENRY ARMSTRONG, of Manchester Street, both in the County of Middlesex, Gas Engineers, for an invention for—"Improvements in dry and wet gas-meters." <i>Letters Patent sealed.</i>
MOORE. 18th September 1862.	2561. GEORGE STOREY MOORE, of Sunderland, Ship Builder, for an invention for—"Improvements in ship building." <i>Provisional protection only.</i>
WOODFORD. 18th September 1862.	2562. JOHN WYMEN WOODFORD, of No. 12, Sutherland Street, Walworth, in the County of Surrey, for an invention for—"Improvements in machinery and apparatus used for driving and drawing piles, also for raising soil, and also in shoes and hoops for piles." <i>Letters Patent sealed.</i>
WATTS. 19th September 1862.	2563. THOMAS WATTS, of Carisbrooke, in the Isle of Wight, for an invention for—"Improvements in combined thrashing-machines." <i>Letters Patent sealed.</i>
LOWRY. 19th September 1862.	2564. GEORGE LOWRY, of Salford, in the County of Lancaster, Machinist, for an invention for—"Certain improvements in machinery for preparing, cleaning, cutting and shortening the lengths of tow and other fibrous materials." <i>Provisional protection NOT granted.</i>
GLASS. 19th September 1862.	2565. WILLIAM GLASS, of 37, Princes Street, Stamford Street, Lambeth, in the County of Surrey, for an invention for—"Improvements in the treatment of sulphuret of antimony and in obtaining products therefrom." <i>Letters Patent sealed.</i>

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| <p>DE LA BASTIDA.
19th September 1862.</p> <p>TYTHERLEIGH.
19th September 1862.</p> <p>SMITH.
SMITH.
19th September 1862.</p> <p>BOUVET.
19th September 1862.</p> <p>BRIDGE.
DYSON.
19th September 1862.</p> <p>GIERTZ.
19th September 1862.</p> <p>SAVAGE.
19th September 1862.</p> <p>COCHRANE.
19th September 1862.</p> <p>IMRAY.
19th September 1862.</p> <p>JACKSON.
COUPE.
19th September 1862.</p> <p>CHINNOCK.
19th September 1862.</p> <p>MAW.
19th September 1862.</p> <p>FEIS.
19th September 1862.</p> <p>FORESTIER.
20th September 1862.</p> <p>FANSHAWE.
20th September 1862.</p> <p>HOTCHKISS.
20th September 1862.</p> | <p>2566. EUGENIO DE LA BASTIDA, of 43, Hart Street, Bloomsbury Square, W.C., London, in the County of Middlesex, (England,) for an invention for—"An improved cover for chimneys adapted to prevent them from smoking and to facilitate the extinguishing of fires therein."—<i>A communication from abroad to him by Mr. Auguste Louis César de Montagu, of Paris (France).</i> <i>Provisional protection only.</i></p> <p>2567. WILLIAM TYTHERLEIGH, Manufacturing Ironmonger, of 28 A, High Street, Marylebone, in the County of Middlesex, for an invention for—"An improved heater for ironing or pressing." <i>Provisional protection only.</i></p> <p>2568. JOHN SMITH, and WILLIAM SMITH, of Collyhurst, near Manchester, in the County of Lancaster, Dyers and Finishers, for an invention for—"An improved combination of machinery or apparatus for doubling, measuring and plaiting woven fabrics." <i>Provisional protection only.</i></p> <p>2569. JEAN BOUVET, of La Rochelle, France, Tinman, for an invention for—"An improved mode of closing or sealing tin preserve boxes." <i>Letters Patent sealed.</i></p> <p>2570. DAVID CLARKE BRIDGE, and JOHN DYSON, both of Halifax, in the County of York, Boiler and Hot Water Apparatus Manufacturers, for an invention for—"Improvements in the formation of boilers to be employed for warming buildings and similar purposes." <i>Letters Patent sealed.</i></p> <p>2571. JOHAN BERNHARD GIERTZ, of Great Saint Helen's, in the City of London, for an invention for—"Improvements in gas-burners or jets." <i>Letters Patent sealed.</i></p> <p>2572. FREDERICK SAVAGE, of the St. Nicholas Iron Works, Lynn, in the County of Norfolk, Engineer, for an invention for—"Improvements in traction engines." <i>Provisional protection only.</i></p> <p>2573. WILLIAM MORSHALL COCHRANE, of Clattern Cottage, Kingston-on-Thames, in the County of Surrey, for an invention for—"Improvements in securing the bolts and nuts of railway fish-plates." <i>Provisional protection only.</i></p> <p>2574. JOHN IMRAY, of Bridge Road, Lambeth, in the County of Surrey, Engineer, for an invention for—"Improvements in apparatus for telegraphing and signalling by means of electricity."—<i>A communication to him from abroad by Mattheus Hipp, a person resident at Neufchatel, Switzerland.</i> <i>Letters Patent sealed.</i></p> <p>2575. ROBERT RAYNSFORD JACKSON, Cotton Manufacturer, and JOHN COUPE, Weaving Manager, both of Blackburn, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i></p> <p>2576. CHARLES CHINNOCK, of Brooklyn, in the State of New York, United States of America, but now residing at Queen's Road West, Regent's Park, in the County of Middlesex, Merchant, for an invention for—"Improvements in the construction of cork screws." <i>Letters Patent sealed.</i></p> <p>2577. GEORGE MAW, of Benthall Works, near Broseley, in the County of Salop, Manufacturer, for an invention for—"Improvements in the manufacture of tesserae and other mosaic inlays." <i>Letters Patent sealed.</i></p> <p>2578. EDWARD FEIS, of the Firm of Feis, Michelis and Rubino, of 8, Sise Lane, in the City of London, Merchants, for an invention for—"Improvements in the construction of locks, catches or fastenings for purses, bags or other receptacles."—<i>A communication to him from abroad by Gustav Luttringhaus, of the Firm of Gustav, Luttringhaus and Co., of Mulheim, on the Rhine.</i> <i>Provisional protection only.</i></p> <p>2579. PIERRE LOUIS FORESTIER, of Paris, in the Empire of France, Fancy Paper Maker, for an invention for—"Improvements in photographic albums." <i>Letters Patent sealed.</i></p> <p>2580. HENRY RICHARDSON FANSHAWE, of 3, Leadenhall Street, in the City of London, for an invention for—"Improvements in the mode and means used in fishing in seas, rivers and other waters." <i>Letters Patent sealed.</i></p> <p>2581. BENNET HOTCHKISS, of New Haven, in the County of Newhaven, and State of Connecticut, of the United States of America, for an invention for—"Atmospheric trip hammers." <i>Letters Patent sealed.</i></p> |
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DIXEY. SMITH. 20th September 1862.	2582. LEWIS DIXEY, of 21, King's Road, Brighton, in the County of Sussex Optician, and GEORGE SMITH, of Angmering, in the County of Sussex, Artist, for an invention for—"A new or improved method of tinting by lithographic printing photographic portraits and back-grounds, and embossing the same." <i>Letters Patent sealed.</i>
WILSON. 20th September 1862.	2583. JAMES WILSON, of North Brixton, in the County of Surrey, Warehouseman, for an invention for—"An improved composition for preventing and removing incrustation in boilers." <i>Letters Patent sealed.</i>
PRINCE. 20th September 1862.	2584. ALEXANDER PRINCE, of the Office for Patents, No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in steam boiler and other furnaces and in apparatus for feeding the same."— <i>A communication to him from abroad by Eugène Langen, resident at Colonia, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>
MERTENS. 22nd September 1862.	2585. CHARLES MERTENS, of Gheel, in the Province of Antwerp, in the Kingdom of Belgium, at present residing at Jubilee Place, Chelsea, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for scutching and dressing flax, hemp, or other fibrous materials." <i>Letters Patent sealed.</i>
SANDERSON. 22nd September 1862.	2586. JAMES SANDERSON, of Clerkenwell, in the County of Middlesex, Dressing Case and Desk Maker, for an invention for—"Improvements in writing-desks and cases." <i>Provisional protection only.</i>
HOLDSWORTH. 22nd September 1862.	2587. HARRY HOLDSWORTH, of the Firm of H. Holdsworth and Company, of Spring Works, New George Street, Sheffield, in the County of York, for an invention for—"Improvements in the manufacture of crinoline steel." <i>Provisional protection NOT granted.</i>
LONG. 22nd September 1862.	2588. JAMES LONG, of Gorleston, Great Yarmouth, for an invention for—"An improved machine for cleansing and scraping streets, roads or ways." <i>Letters Patent sealed.</i>
CRANSTON. 22nd September 1862.	2589. WILLIAM MCINTYRE CRANSTON, of 58, King William Street, in the City of London, for an invention for—"Improvements in machinery for reaping and mowing corn and other crops." <i>Provisional protection only.</i>
VOGL. 22nd September 1862.	2590. MAURICE VOGL, of Sambrook Court, Basinghall Street, in the City of London, Merchant, for an invention for—"Improvements in fastenings for leggings and other articles of wearing-apparel." <i>Letters Patent sealed.</i>
MAPPLE. MAPPLE. 23rd September 1862.	2591. JAMES MAPPLE, of 2, Newman's Place, Kentish Town, and DANIEL MAPPLE, of 3, Queen's Road, Homerton New Town, in the County of Middlesex, Telegraph and Clock Makers, for an invention for—"Improvements in telegraphic apparatus." <i>Provisional protection only.</i>
FAIRBURN. 23rd September 1862.	2592. ROBERT FAIRBURN, of Burley, near Otley, in the County of York, Manager of Machine Wool Combing, for an invention for—"Improvements in machinery for combing wool or other fibrous substances." <i>Provisional protection only.</i>
KNOWLES. HOUGHTON. KNOWLES. HOUGHTON. 3rd September 1862.	2593. THOMAS KNOWLES, JAMES HOUGHTON, WILLIAM KNOWLES, and WILLIAM HOUGHTON, of Gomersal, in the County of York, Machine Makers, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
PONTIFEX. 23rd September 1862.	2594. CHARLES PONTIFEX, of 154, St. Paul's Road, Canonbury, in the County of Middlesex, and of 56 & 57, Shoe Lane, in the City of London, for an invention for—"Improvements in means or apparatus for removing or expressing beer from yeast or from hops." <i>Provisional protection only.</i>
DOBSON. 23rd September 1862.	2595. WILLIAM DOBSON, of the Firm of Messieurs William and Frederick Dobson, of the Town and County of the Town of Nottingham, Lace Dressers, for an invention for—"A new method of producing various colours on lace or other fabrics." <i>Letters Patent sealed.</i>
MICAS. 23rd September 1862.	2596. JEANNE JARA NATHALIE MICAS, of Chateau de By, Commune de Thomery (Seine et Marne), in the Empire of France, for an invention for—"An improved railway brake." <i>Letters Patent sealed.</i>

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| <p>BROOMAN.
23rd September 1862.</p> <p>BROOMAN.
23rd September 1862.</p> <p>LAURENT.
23rd September 1862.</p> <p>WILKINSON.
23rd September 1862.</p> <p>FARRAN.
24th September 1862.</p> <p>CLARK.
24th September 1862.</p> <p>TAYLOR.
24th September 1862.</p> <p>BROOMAN.
24th September 1862.</p> <p>MADDICK.
24th September 1862.</p> <p>POSENER.
POSENER.
24th September 1862.</p> <p>JACKSON.
JACKSON.
24th September 1862.</p> <p>JACKSON.
JACKSON.
24th September 1862.</p> <p>UPFILL.
ASBURY.
24th September 1862.</p> <p>EDWARDS.
24th September 1862.</p> <p>ALEXANDER.
25th September 1862.</p> | <p>2597. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in lighting apparatus."—<i>A communication to him from abroad by Felix Lucas, of Nice, France.</i>
<i>Letters Patent sealed.</i></p> <p>2598. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in photographic apparatus."—<i>A communication to him from abroad by Jean Jacques Leopold Rousseau de Lafarge, of Paris, France.</i>
<i>Provisional protection only.</i></p> <p>2599. SÉRAPHIN HONORÉ LAURENT, of 29, Boulevard St. Martin, Paris, for an invention for—"An improved railway brake."
<i>Provisional protection only.</i></p> <p>2600. WILLIAM WILKINSON, of Colville Place, Charlotte Street, Fitzroy Square, in the County of Middlesex, Engineer, Mechanical Draughtsman and Framework Knitter, for an invention for—"Improvements in the manufacture of knitted elastic fabrics and in the machinery employed therein."
<i>Provisional protection NOT granted.</i></p> <p>2601. JOHN FARRAN, of Manchester Road, Bolton-le-Moors, in the County of Lancaster, Manager, for an invention for—"Certain improvements in looms for weaving."
<i>Letters Patent sealed.</i></p> <p>2602. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in signalling."—<i>A communication to him from abroad by Pierre Henry Stanislas Count d'Escayrac de Lauture, of 29, Boulevard St. Martin, Paris.</i>
<i>Complete specification ; Letters Patent sealed.</i></p> <p>2603. WILLIAM TAYLOR, of Chester, in the County of Chester, for an invention for—"Improvements in blacking or polish."
<i>Provisional protection only.</i></p> <p>2604. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved composition for painting."—<i>A communication to him from abroad by Paul Caubet, of Paris, France.</i>
<i>Letters Patent sealed.</i></p> <p>2605. WILLIAM MADDICK, the younger, of Liverpool, in the County of Lancaster, Garancine Manufacturer, for an invention for—"An improved process or method of treating and preparing madder for dyeing purposes."
<i>Letters Patent sealed.</i></p> <p>2606. DAVID POSENER, and ADOLPHE POSENER, both of Rupert Street, Haymarket, in the County of Middlesex, for an invention for—"Improvements in the manufacture of india-rubber and other tobacco pouches or purses."
<i>Provisional protection only.</i></p> <p>2607. ROBERT RAYNSFORD JACKSON, and ÆMILIUS IRVING JACKSON, both of Blackburn, in the County of Lancaster, Cotton Spinners and Manufacturers, for an invention for—"Improvements in the preparation and treatment of flax and other fibrous materials to be subsequently operated upon by machinery employed for preparing and spinning cotton."
<i>Letters Patent sealed.</i></p> <p>2608. ROBERT RAYNSFORD JACKSON, and ÆMILIUS IRVING JACKSON, both of Blackburn, in the County of Lancaster, Cotton Spinners and Manufacturers, for an invention for—"Improvements in machinery for cutting fibrous and other materials."
<i>Letters Patent sealed.</i></p> <p>2609. WILLIAM UPFILL, of Birmingham, in the County of Warwick, Iron Merchant and Manufacturer, and WILLIAM ASBURY, of the same place, Engineer, for an invention for—"Improvements in the manufacture of metallic bedsteads, part of which improvements are also applicable for ornamenting tubes and curtain and cornice poles."
<i>Letters Patent sealed.</i></p> <p>2610. THOMAS EDWARDS, of Blackheath, in the County of Kent, Gentleman, for an invention for—"An improved mode of preparing fibrous materials for spinning."
<i>Provisional protection only.</i></p> <p>2611. ROBERT ALEXANDER, of Islington, Liverpool, for an invention for—"Improvements in mariners' compasses."
<i>Provisional protection only.</i></p> |
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MENNONS. 25th September 1862.	2612. MARC ANTOINE FRANÇOIS MENNON, of the British and Foreign Patent Offices, 24, Rue de Mont Thabor, Paris, in the Empire of France, for an invention for—"Improvements in the construction of chair settees."— <i>A communication from Victor Wéry, a person resident at Liège, in the Kingdom of Belgium.</i> <i>Complete specification; Letters Patent sealed.</i>
KENNEDY. 25th September 1862.	2613. THOMAS KENNEDY, of Kilmarnock, in the County of Ayr, North Britain Water Meter Manufacturer, for an invention for—"Improvements in taps or valves." <i>Letters Patent sealed.</i>
TOLHAUSEN. 25th September 1862.	2614. FREDERICK TOLHAUSEN, of 17, Faubourg Montmartre, Paris, in the Empire of France, Civil Engineer and Patent Agent, for an invention for "An improved steam cultivator."— <i>A communication from the Marquis Emmanuel de Poncins, a person resident at Feurs, Loire, France.</i> <i>Letters Patent sealed.</i>
RAYWOOD. 25th September 1862.	2615. JOHN RAYWOOD, of Sheffield, in the County of York, for an invention for—"Certain improvements in the construction of gas apparatus for the prevention of fraud and for economising the consumption of gas." <i>Letters Patent sealed.</i>
BREACH. SMITH. 25th September 1862.	2616. JOHN ROBERT BREACH, and EDWARD BAINES PYE SMITH, of Leeds, in the County of York, Manufacturers, for an invention for—"An improved machine for reducing or equalizing the length of animal or vegetable fibres." <i>Letters Patent sealed.</i>
EARDLEY. 25th September 1862.	2617. JAMES EARDLEY, of Woodville, in the County of Leicester, for an invention for—"Improvements in pitch pipes or tuning pipes." <i>Letters Patent sealed.</i>
LEA. 25th September 1862.	2618. WILLIAM LEA, of the Firm of W. and J. Lea, of Wolverhampton, in the County of Stafford, Manufacturers, for an invention for—"Improvements in hinges for French casements." <i>Letters Patent sealed.</i>
POTTER. 25th September 1862.	2619. ARTHUR POTTER, of Birmingham, in the County of Warwick, for an invention for—"Improvements in electro-magnetic engines." <i>Provisional protection only.</i>
WRIGHT. 25th September 1862.	2620. PETER WRIGHT, of Dudley, in the County of Worcester, Manufacturer, for an invention for—"Improvements in the manufacture of parallel vices." <i>Letters Patent sealed.</i>
TAUNTON. 25th September 1862.	2621. JOHN RICHARD CROMWELL TAUNTON, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of metallic bedsteads, cots and couches." <i>Provisional protection only.</i>
MUNTZ. 25th September 1862.	2622. EUGENE GUSTAVUS MUNTZ, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"An improvement or improvements in the manufacture of axles." <i>Provisional protection only.</i>
HARDING. 25th September 1862.	2623. THOMAS RICHARDS HARDING, of Leeds, in the County of York, Hackle Pin Manufacturer, for an invention for—"Improvements in machinery for opening, cleansing and carding fibrous material." <i>Letters Patent sealed.</i>
PETTET. 26th September 1862.	2624. WILLIAM PETTET, of Philadelphia, Pennsylvania, United States, now of No. 11, Bulstrode Street, in the County of Middlesex, Merchant, for an invention for—"An improved covering for protecting vessels and forts from shot, shell and other warlike missiles."— <i>Partly his own invention and partly the result of a communication to him from abroad by William Stiles, of Philadelphia, Pennsylvania, United States.</i> <i>Provisional protection only.</i>
BATES. 26th September 1862.	2625. JOHN JOSEPH BATES, of Birmingham, in the County of Warwick, Architect and Surveyor, for an invention for—"A new or improved window sash fastener and guard." <i>Letters Patent sealed.</i>
DIXON. 26th September 1862.	2626. EDWIN DIXON, of Wolverhampton, in the County of Stafford, Manufacturer, for an invention for—"Improvements in machinery and furnaces used in the manufacture of welded iron tubes." <i>Letters Patent sealed.</i>
ABEL. 26th September 1862.	2627. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved purifying and preservative lotion for the mouth."— <i>A communication to him from abroad by Johann Georg Popp, Dentist, residing at Vienna, in the Empire of Austria.</i> <i>Letters Patent sealed.</i>

- MILNER.
MILNER.
HURD.
26th September 1862. 2628. JAMES MILNER, ROBERT DAWSON MILNER, and FREDERICK HURD, all of Wakefield, in the County of York, Machinists and Co-partners, for an invention for—"Improvements in apparatus applicable to machines for preparing wool, flax, and other fibrous substances, parts of which are also applicable to machines for other uses." *Letters Patent sealed.*
- GEDGE.
26th September 1862. 2629. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of leaden window shashes, casements or glazed coverings or partitions."—*A communication to him from abroad by Joseph Nicolas Montain Liépard and Edmond Edouard Liépard, junior, both of Pontoise, in the Department of the Seine et Oise, France.* *Letters Patent sealed.*
- COCHRANE.
26th September 1862. 2630. WILLIAM MORSHALL COCHRANE, of Clattern Cottage, Kingston-on-Thames, in the County of Surrey, for an invention for—"Improvements in securing the bolts and nuts of railway fish-plates." *Provisional protection only.*
- STACK.
27th September 1862. 2631. FREDERICK RICE STACK, of Whetstone, in the County of Middlesex, late Captain in the 65th Regiment of Foot and Brigade Major at Auckland, New Zealand, for an invention for—"Improvements in escalading apparatus for military purposes." *Provisional protection only.*
- CROSBY.
27th September 1862. 2632. JAMES CROSBY, of Shepley Hall, Audenshaw, near Manchester, in the County of Lancaster, Flax Spinner, for an invention for—"Improvements in carding engines." *Provisional protection only.*
- HUTCHINSON.
27th September 1862. 2633. HIRAM HUTCHINSON, of Paris, Rue Notre Dame des Victoires, No. 26, Merchant, for an invention for—"Improvements in machinery for covering wire with india-rubber and gutta-percha, and similar gums and compounds thereof, and for manufacturing tubes and other articles of such gums and compounds."—*A communication to him by Mr. Thomas Sault, resident at Seymour, State of Connecticut, U. S. America.* *Letters Patent sealed.*
- HENRY.
27th September 1862. 2634. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Certain new and improved applications of petroleum and its products, certain agents produced by combining the same with other substances, and certain modes of treating caoutchouc, gutta-percha and their compounds and substances similar thereto."—*A communication to him from abroad by The Joint Stock Company called The Société Chartier et Compagnie, of 33, Boulevard Saint Martin, Paris, France.* *Letters Patent sealed.*
- PRUVOST-BAUCHARD.
29th September 1862. 2635. JULES CÉSAR PRUVOST-BAUCHARD, of Nouvion en Thiérache, (Aisne,) in the Empire of France, Miller and Baker, for an invention for—"A twice transversal kneading trough." *Letters Patent sealed.*
- BAUM.
29th September 1862. 2636. HUGO BAUM, of Elberfeld, in the Kingdom of Prussia, Manufacturer, for an invention for—"Improvements in the manufacture of moreens and such like fabrics." *Provisional protection only.*
- BROWN.
29th September 1862. 2637. JOHN BROWN, of Middleton, in the County of Lancaster, Machinist, for an invention for—"Certain improvements in carding-engines, employed for carding cotton and other fibrous substances." *Letters Patent sealed.*
- GRIFFITHS.
29th September 1862. 2638. ROBERT GRIFFITHS, of 69, Mornington Road, Regent's Park, London, Engineer, for an invention for—"Improvements in the construction of iron ships and in the method of fastening metal sheathing thereon to keep them from fouling." *Letters Patent sealed.*
- PUDDEFOOT.
29th September 1862. 2639. MICHAEL PUDDEFOOT, of Blisset Street, Greenwich, County of Kent, Hat Manufacturer, for an invention for—"Improvements in apparatus for tilling land." *Provisional protection only.*
- LORD.
GILBART.
29th September 1862. 2640. WILLIAM BARRY LORD, of Sandgate, in the County of Kent, Veterinary Surgeon, Royal Artillery, and FREDERIC HUGHES GILBART, of the same place, Gentleman, for an invention for—"Improvements in loading fire-arms and in blasting." *Letters Patent sealed.*

GEDGE. 29th September 1862.	2641. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved furnace for casting steel."— <i>A communication to him from abroad by Jean Baptiste Delrieu, of Paris, France, Steel Manufacturer.</i> <i>Provisional protection only.</i>
WALKER. 29th September 1862.	2642. JOSEPH EBENEZER WALKER, of King Street, Old Ford Road, in the County of Middlesex, Mechanist, for an invention for—"Improvements in signalling on railways." <i>Provisional protection only.</i>
HIRSCH. 29th September 1862.	2643. HERMANN HIRSCH, of 65, Bridge Road, Lambeth, in the County of Surrey, Engineer, for an invention for—"Improvements in apparatus for showing combinations of colours." <i>Letters Patent sealed.</i>
MOULE. 29th September 1862.	2644. The REVEREND HENRY MOULE, of Fordington Vicarage, Dorchester, for an invention for—"Improvements in heating frames and the beds of hot houses, also in heating hot houses and other buildings used for growing plants and for other purposes." <i>Provisional protection only.</i>
ELLIS. 29th September 1862.	2645. HENRY ELLIS, of Bangor, North Wales, for an invention for—"Improvements in the manufacture of compounds of silica and in the application of certain compounds of silica to mineralize woven fabrics, paper and paper pulp, to harden and preserve stone and cement, in the production of artificial stone and paint, and in the production and glazing of porcelain and such like manufactures." <i>Letters Patent sealed.</i>
BUCKNALL. 29th September 1862.	2646. JOSEPH BUCKNALL, of Boston, in the County of Lincoln, Mechanic, for an invention for—"Improvements in the construction of horse hoes." <i>Letters Patent sealed.</i>
ADDISON. 29th September 1862.	2647. JOHN ADDISON, of St. Heliers, Jersey, Captain retired list, Her Majesty's Indian Army, for an invention for—"Improvements in moorings or apparatus for securing articles, applicable also to the fixing of chairs for railways." <i>Letters Patent sealed.</i>
BROOMAN. 29th September 1862.	2648. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in saddle-trees and collars."— <i>A communication to him from abroad by Jules Christian Waltz, of Rue Lamartine, Paris, France.</i> <i>Letters Patent sealed.</i>
JOHNSON. 29th September 1862.	2649. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in shells for war purposes."— <i>A communication to him from abroad by Edwin Eastbrook, of Jersey City, in the County of Hudson, and State of New Jersey, United States of America.</i> <i>Provisional protection only.</i>
CARRICK. CARRICK. 29th September 1862.	2650. WILLIAM CARRICK, and WILLIAM CARRICK the younger, both of the City of Carlisle, Hat Manufacturers, for an invention for—"Improvements in felting apparatus." <i>Letters Patent sealed.</i>
HOYLE. 30th September 1862.	2651. ROBERT HOYLE, of Newchurch, in the County of Lancaster, Woollen Printer, for an invention for—"Improvements in machinery or apparatus for printing surfaces of woollen, mohair, cotton and other fabrics." <i>Provisional protection only.</i>
LE BRÉTON. 30th September 1862.	2652. ELIE JEAN MARIE LE BRÉTON, of Neuilly-sur-Seine, near Paris, in the French Empire, Gentleman, for an invention for—"An improved propeller for boats and ships." <i>Provisional protection only.</i>
HUGHES. 30th September 1862.	2653. JAMES LEIGH HUGHES, of Droitwich Road, in the County of Worcester, for an invention for—"Improvements in producing ornamental patterns in gold and color on porcelain, earthenware, glass, and enamel." <i>Letters Patent sealed.</i>
PRINCE. 30th September 1862.	2654. ALEXANDER PRINCE, of the Office for Patents, No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in the manufacture of varnish, printing-ink, paint, and printing colors."— <i>A communication to him from abroad by David Steinert, resident at the Free City of Hamburg.</i> <i>Letters Patent sealed.</i>

- WRIGHT.
30th September 1862. 2655. JAMES WRIGHT, of 12, Copthall Court, Throgmorton Street, in the City of London, Civil Engineer, for an invention for—"An improved rotative travelling-crane."—*A communication to him from abroad by Alphonse Courreux, and Louis Combe, of 333, Rue St. Martin, Paris, in the Empire of France. Letters Patent sealed.*
- HASELTINE.
1st October 1862. 2656. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, an American Barrister-at-Law, for an invention for—"Improvements in the means for and mode of warming and ventilating buildings."—*A communication to him from abroad by Edward Young Robbins, of Cincinnati, Ohio, United States. Complete specification; Letters Patent sealed.*
- BYL.
1st October 1862. 2657. PETER GERHARD VANDER BYL, of No. 3, Upper Hyde Park Gardens, in the County of Middlesex, for an invention for—"A power conserver brake for utilizing the power expended in stopping or retarding machinery, locomotive or other engines, and vehicles of any description when in motion."—*A communication to him from abroad by Charles Bell, residing at Cape Town, Cape of Good Hope, Africa. Letters Patent sealed.*
- GREENWOOD.
MARSON.
1st October 1862. 2658. ROBERT WILLIAM GREENWOOD, and CHARLES JOHN MARSON, both of 13, Gloster Crescent, Islington, in the County of Middlesex, for an invention for—"A new and improved mode of using the exhaust steam of steam-engines by reconveying the same into the boiler." *Provisional protection only.*
- DONKIN.
1st October 1862. 2659. BRYAN DONKIN, of Bermondsey, in the County of Surrey, Engineer, for an invention for—"Improvements in bearings for shafts, axles, pivots and sliding surfaces, for the purpose of diminishing friction."—*A communication to him from abroad by Louis Dominique Girard, of Paris, France. Letters Patent sealed.*
- LORD.
1st October 1862. 2660. EDWARD LORD, of Rawtenstall, in the County of Lancaster, Overlooker, for an invention for—"An improvement in power looms for weaving." *Provisional protection only.*
- CAMBRIDGE.
1st October 1862. 2661. WILLIAM COLBORNE CAMBRIDGE, of Bristol, Agricultural Implement Maker, for an invention for—"Improved apparatus for washing clothes, applicable also as a churn." *Letters Patent sealed.*
- GILCHRIST.
2nd October 1862. 2662. JAMES GILCHRIST, of Glasgow, in the County of Lanark, North Britain, Consulting Engineer, for an invention for—"Improvements in boring-engines such as are used for mining purposes." *Provisional protection only.*
- WARD.
2nd October 1862. 2663. WILLIAM HENRY WARD, of the City of Auburn, in the County of Cayuga, and State of New York, one of the United States of America, but now temporarily of 59, Packington Street, London, N., for an invention for—"Improvements in night, day and fog signals and the means for effecting the same." *Letters Patent sealed.*
- WILKINS.
2nd October 1862. 2664. WILLIAM CRANE WILKINS, of Long Acre, in the County of Middlesex, Lighthouse Engineer, for an invention for—"Improvements in gas-burners." *Provisional protection only.*
- SUCKOW.
HABEL.
2nd October 1862. 2665. EDMUND SUCKOW, and EDWARD HABEL, both of the City of Manchester, in the County of Lancaster, Engineers and Machinists, for an invention for—"Improvements in machinery for preparing, spinning and doubling fibrous materials." *Provisional protection only.*
- JOHNSON.
2nd October 1862. 2666. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the permanent way of railways."—*A communication to him from abroad by John Lackland, of Calcutta, Civil Engineer. Provisional protection only.*
- FIRMIN.
2nd October 1862. 2667. GEORGE JORDAN FIRMIN, of Millwall, Poplar, in the County of Middlesex, for an invention for—"Improvements in the treatment of certain salts of potash and lime." *Letters Patent sealed.*
- ENSOR.
PAYNE.
3rd October 1862. 2668. FRANCIS ENSOR, of West Bromwich, in the County of Stafford, Iron-founder and Machinist, and WILLIAM PAYNE, of Birmingham, in the County of Warwick, Engineer, for an invention for—"A new or improved apparatus for regulating the pressure of steam in steam-boilers, and for indicating when the water in steam-boilers is too high or too low." *Provisional protection only.*

HARROP. WADSWORTH. 3rd October 1862.	2669. JOHN HARROP, of Manchester, in the County of Lancaster, Analytical Chemist, and JAMES WADSWORTH, of Salford, in the same County, Machinist, for an invention for—"Improvements in deodorizing refuse, organic, fecal and urinous matters, and in a method of utilizing coal and other ashes, and in machinery or apparatus connected therewith for producing a portable manure therefrom." <i>Provisional protection only.</i>
ROBOTHAM. OSWALD. 3rd October 1862.	2670. THOMAS JOHN ROBOTHAM, of Burslem, in the County of Stafford, Chemist, and EDWARD OSWALD, of Stoke-upon-Trent, in the same County, Agent, for an invention for—"Improvements in apparatus for purifying 'glaze,' 'slip' or other potters' materials." <i>Provisional protection only.</i>
BROADBENT. 3rd October 1862.	2671. RICHARD BROADBENT, Commission Agent, Leeds, for an invention for—"Improvements in gas regulators." <i>Letters Patent sealed; specification filed by order.</i>
CLARK. 3rd October 1862.	2672. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improved atmospheric toy pistols and guns."— <i>A communication to him from abroad by Mr. Laurent Marie René Péan, Manufacturer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
CLARK. 3rd October 1862.	2673. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved candlestick."— <i>A communication to him from abroad by Messrs. Louis Gabriel Eugene Isabey, Marine Painter and Officer of the Legion of Honor, and Anthony Montalba, Proprietor, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
GEDGE. 3rd October 1862.	2674. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved suction and lift pump and apparatus connected therewith."— <i>A communication to him from abroad by Valentin Delvart, of Denain, France.</i> <i>Provisional protection only.</i>
DALRYMPLE. 3rd October 1862.	2675. ALEXANDER DALRYMPLE, of No. 18, Eyre Street, Sheffield, in the County of York, Clothier, for an invention for—"Improvements in the processes of depositing metals by galvanic action either with or without the aid of galvanic batteries, and in the ornamentation of metal surfaces thereby." <i>Provisional protection only.</i>
GEDGE. 3rd October 1862.	2676. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved marquetry or veneer saw and machinery or apparatus connected therewith."— <i>A communication to him from abroad by François Marie Gustave Raymond Baron de Roverié de Cabrières, of No. 15, Passage des Petites Ecuries, Paris, France.</i> <i>Provisional protection only.</i>
GREENWOOD. 3rd October 1862.	2677. THOMAS GREENWOOD, of Leeds, in the County of York, Machine Maker, for an invention for—"Improved machinery for cutting staves." <i>Letters Patent sealed.</i>
LEE. LEE. 4th October 1862.	2678. JOSEPH LEE, and WILLIAM LEE, of Humberstone Road, Leicester, for an invention for—"Improvements in traction engines and boilers for traction, locomotive and other purposes." <i>Letters Patent sealed.</i>
MUNTZ. 4th October 1862.	2679. WILLIAM HENRY MUNTZ, of Millbrook, in the County of Hants, for an invention for—"Improvements in armour for the protection of ships of war and other vessels and fortifications from the effects of cannon shot and other projectiles." <i>Provisional protection only.</i>
BARCLAY. 4th October 1862.	2680. ANDREW BARCLAY, of the Caledonia Foundry, Kilmarnock, in the County of Ayr, North Britain, Engineer, for an invention for—"Improvements in printing textile materials and fabrics and in machinery therefor." <i>Letters Patent sealed.</i>
GEDGE. 4th October 1862.	2681. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved means or apparatus by the use of which pierced or perforated cocoons may be spun."— <i>A communication to him from abroad by Louis Ferdinand Palayer, Jean Hubert Keyen, Denis Adolphe Enout and Joseph Elisée Richard, all of Paris, France.</i> <i>Letters Patent sealed.</i>

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| <p>AMPHLET.
4th October 1862.</p> <p>BILLUPS.
4th October 1862.</p> <p>CABIROL.
4th October 1862.</p> <p>PARKINSON.
4th October 1862.</p> <p>WATKINS.
4th October 1862.</p> <p>BLATSPIEL.
4th October 1862.</p> <p>CLARK.
4th October 1862.</p> <p>WHICKER.
BLAISE.
4th October 1862.</p> <p>JOHNSON.
4th October 1862.</p> <p>TAYLOR.
BUCKLEY.
4th October 1862.</p> <p>PAGE.
6th October 1862.</p> <p>KEECH.
6th October 1862.</p> <p>BRADBURY.
BRADBURY.
6th October 1862.</p> <p>LOWE.
6th October 1862.</p> <p>HOLLAND.
6th October 1862.</p> <p>CLARK.
6th October 1862.</p> | <p>2682. SAMUEL AMPHLET, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"An improvement or improvements in ornamenting surfaces of wood." <i>Provisional protection only.</i></p> <p>2683. JONATHAN EDWIN BILLUPS, of Halswell Terrace, Cardiff, in the County of Glamorgan, for an invention for—"Fixed points for railways." <i>Letters Patent sealed.</i></p> <p>2684. JOSEPH MARTIN CABIROL, of No. 17, Rue du Faubourg Montmartre, Paris, France, Submarine Engineer, for an invention for—"A new or improved submarine lamp." <i>Provisional protection only.</i></p> <p>2685. FREDERICK PARKINSON, of the Firm of A. Goldsmith & Co., of 114, Wood Street, in the City of London, for an invention for—"Improvements in ladies' shawls and cloaks." <i>Provisional protection only.</i></p> <p>2686. FRANCIS WATKINS, of Smethwick, in the County of Stafford, for an invention for—"Improvements in apparatus for milking cows." <i>Letters Patent sealed.</i></p> <p>2687. FREDERICK ERNEST BLATSPIEL, of Warwick Court, in the County of Middlesex, for an invention for—"Improvements in diving-apparatus and apparatus to be used for working in deep water."—<i>A communication to him from abroad by Richard Alexander Kobitzsch, a person resident at Bucharest, in Wallachia.</i> <i>Letters Patent sealed.</i></p> <p>2688. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means of preserving goods from fire, and in apparatus for the same."—<i>A communication to him from abroad by Mr. Paulin Gay, of 29, Boulevard St. Martin, Paris, Contractor for Public Works.</i> <i>Provisional protection only.</i></p> <p>2689. GEORGE WHICKER and LOUIS BLAISE, both of St. James's Street, in the City of Westminster, for an invention for—"Improvements in skates, and in the method of securing or fastening the same." <i>Provisional protection NOT granted.</i></p> <p>2690. FREDERICK JOHNSON, of Great Charlotte Street, Landport, Portsmouth, in the County of Hants, French Polisher, for an invention for—"Improvements in domestic fire-escapes, and in receptacles for the same." <i>Letters Patent sealed.</i></p> <p>2691. WILLIAM TAYLOR, of Oldham, in the County of Lancaster, Cotton Spinner, and SAMUEL BUCKLEY, of the same place, Millwright and Engineer, for an invention for—"Improvements in machinery for preparing cotton and other fibrous materials." <i>Letters Patent sealed.</i></p> <p>2692. ROBERT PAGE, of Great Yarmouth, in the County of Norfolk, Builder, for an invention for—"Improvements in stables and stabling, applicable in part to kennels and to the floors of fish houses." <i>Letters Patent sealed.</i></p> <p>2693. THOMAS KEECH, of the City of New York, in the County and State of New York, in the United States of America, for an invention for—"Improvements in floating-batteries."—<i>A communication from James Hyde, a person residing at New York, in the County and State of New York, in the United States of America.</i> <i>Letters Patent sealed.</i></p> <p>2694. JOHN BRADBURY, of Pendleton, in the County of Lancaster, Mechanic, and WILLIAM BRADBURY, of Oldham, in the same County, Mechanic, for an invention for—"Certain improvements in carding-engines." <i>Letters Patent sealed.</i></p> <p>2695. DANIEL LOWE, of Aston, near Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of door bolts and latches." <i>Letters Patent sealed.</i></p> <p>2696. SAMUEL HOLLAND, of Oldbury, in the County of Worcester, Machinist, for an invention for—"Improvements in machinery for the manufacture of bricks, drain, sanitary and other pipes, tiles, quarries, and other articles of like manufacture made from clay, marl and other plastic substances." <i>Letters Patent sealed.</i></p> <p>2697. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in articles of clothing."—<i>A communication to him from abroad by Mr. Paul Baudet, of 29, Boulevard St. Martin, Paris, Clockmaker.</i> <i>Provisional protection only.</i></p> |
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NEWMAM. 6th October 1862.	2698. JAMES NEWMAM, of Crayford, in the County of Kent, Manufacturer, for an invention for—"Improvements in apparatus for crystallizing and for evaporating." <i>Letters Patent sealed.</i>
BEARDS. 6th October 1862.	2699. THOMAS BEARDS, of Stowe, in the County of Buckingham, for an invention for—"Improvements in machinery for cultivating land." <i>Letters Patent sealed.</i>
COX. 6th October 1862.	2700. STEPHEN FITCHEW COX, of Bristol, Tanner, for an invention for—"Improvements in washing and tanning hides and skins." <i>Letters Patent sealed.</i>
NEWTON. 6th October 1862.	2701. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for drying grain."— <i>A communication to him from abroad by Albert Hubbell Wright, of New York, United States of America.</i> <i>Provisional protection only.</i>
CHINNOCK. 6th October 1862.	2702. CHARLES CHINNOCK, of Brooklyn, in the State of New York, United States of America, but now residing at Queen's Road West, Regent's Park, in the County of Middlesex, Merchant, for an invention for—"Improvements in the construction of axle-boxes." <i>Letters Patent sealed.</i>
HEAP. 7th October 1862.	2703. JOSHUA HEAP, of Ashton-under-Lyne, in the County of Lancaster, Tool Maker, for an invention for—"Improvements in screw stocks and dies." <i>Letters Patent sealed.</i>
SMITH. 7th October 1862.	2704. JOSEPH SMITH, of Egdon, near Worcester, in the County of Worcester, Blacksmith, for an invention for—"An improved screw linch-pin for carriages and agricultural implements." <i>Provisional protection only.</i>
ASTON. 7th October 1862.	2705. WILLIAM ASTON, Button Manufacturer, of Princess Street Works, Birmingham, in the County of Warwick, for an invention for—"Certain improvements in the manufacture of buttons for ladies' and gentlemen's wear." <i>Provisional protection only.</i>
OXLEY. 7th October 1862.	2706. JAMES OXLEY, of Frome, in the County of Somerset, Brewers' Engineer, for an invention for—"Improvements in apparatus for expressing and separating beer from yeast or barm." <i>Provisional protection only.</i>
RAHLES. 7th October 1862.	2707. FERDINAND RAHLES, of Albert Street, in the County of Middlesex, Professor of Music, for an invention for—"An improved safety envelope." <i>Provisional protection only.</i>
FORBES. 7th October 1862.	2708. ALEXANDER FORBES, of Canal Terrace, Aberdeen, for an invention for—"Improvements in connecting together parts of vessels formed of tin plate and in the means or apparatus employed therein." <i>Letters Patent sealed.</i>
WELCH. WELCH. 7th October 1862.	2709. JOHN DAVIS WELCH, and ALFRED PHIPPEN WELCH, both of Gutter Lane, in the City of London, and of Luton, in the County of Bedford, Straw Hat Manufacturers, for an invention for—"Improvements in machinery for blocking and pressing hats and bonnets." <i>Provisional protection only.</i>
CUNNINGHAM. 7th October 1862.	2710. HENRY DUNCAN PRESTON CUNNINGHAM, of Bury House, near Gosport, in the County of Hants, Esquire, for an invention for—"Improvements in working the guns and in performing other necessary work on board ships and in apparatus employed therein." <i>Letters Patent sealed.</i>
HAMPSHIRE. 7th October 1862.	2711. JOSEPH KAYE HAMPSHIRE, of the Parish of Whittington, in the County of Derby, Civil Engineer, for an invention for—"Improvements in apparatus or machinery for washing coal, coal slack, and other mineral substances, and separating foreign particles therefrom." <i>Letters Patent sealed.</i>
BEALE. BEALE. 7th October 1862.	2712. JOHN BEALE, of Hope Street, Maidstone, in the County of Kent, Gentleman, and MARY ANN BEALE, of Upper Brunswick Terrace, Barnsbury, in the County of Middlesex, for an invention for—"Improvements in the preparation or manufacture of manure." <i>Letters Patent sealed.</i>
NEWTON. 7th October 1862.	2713. ALFRED VINCENT NEWTON, of the Office of Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of condensers or coolers."— <i>A communication to him from abroad by Francis Bowes Stevens, of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>

TERRY. 8th October 1862.	2714. CHARLES FREDERICK TERRY, of Sheffield, in the County of York, Accountant, for an invention for—"Improvements in machinery for propelling vessels." <i>Letters Patent sealed.</i>
NICKOLS. 8th October 1862.	2715. DANIEL NICKOLS, of the city of Manchester, in the County of Lancaster, Engineer and Machinist, for an invention for—"Improvements in machinery or apparatus for measuring and registering lace and other similar articles." <i>Provisional protection only.</i>
BURDEN. 8th October 1862.	2716. WILLIAM CHESTERTON BURDEN, of Leicester, Musical Instrument Maker, for an invention for—"Improvements in mechanism for giving the pitch or tone required in tuning musical instruments, and also the key note of vocal music." <i>Provisional protection only.</i>
RATCLIFFE. 8th October 1862.	2717. THOMAS RATCLIFFE, of Colne, in the County of Lancaster, Manager, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
CLAVEL. 8th October 1862.	2718. PIERRE CLAVEL, of Paris, in the Empire of France, Chemist, for an invention for—"Improvements in the treatment of violet colours derived from coal tar oils." <i>Provisional protection only.</i>
HARRIS. 8th October 1862.	2719. JOHN REEVES HARRIS, of Goldington Crescent, Saint Pancras Road, in the County of Middlesex, House Decorator, for an invention for—"Improvements in propelling vessels." <i>Provisional protection only.</i>
MENNONS. 8th October 1862.	2720. MARC ANTOINE FRANÇOIS MENNONS, of the British and Foreign Patent Offices, 24, Rue de Mont Thabor, Paris, in the Empire of France, for an invention for—"Improvements in self-inking hand stamps."— <i>A communication from Joseph Henri Simonin, a person resident at No. 5, Rue des Douze Portes, Paris, in France.</i> <i>Letters Patent sealed.</i>
DULLENS. 9th October 1862.	2721. HUGO DULLENS, of 13, Little Britain, in the City of London, for an invention for—"An improved runner and fastening for umbrellas, parasols, sun shades and other like articles." <i>Provisional protection only.</i>
MAURICE. 9th October 1862.	2722. JOSEPH MAURICE, of No. 3, Langham Place, Regent Street, in the County of Middlesex, Dentist, for an invention for—"Improvements in steering ships or vessels and in the apparatus to be employed for that purpose." <i>Provisional protection only.</i>
BUSH. 9th October 1862.	2723. WILLIAM BUSH, of Tower Hill, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in cannon and small arms." <i>Provisional protection only.</i>
WILSON. 9th October 1862.	2724. CHRISTOPHER NAYLOR WILSON, of Batley Carr, near Dewsbury, in the County of York, Rag Merchant, for an invention for—"Improvements in rag machines." <i>Provisional protection only.</i>
JOHNSON. 9th October 1862.	2725. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in polishing precious and other hard stones and in the machinery or apparatus employed therein."— <i>A communication to him from abroad by Victor Emanuel Tamisier, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
JOHNSON. 9th October 1862.	2726. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the manufacture of paints or pigments."— <i>A communication to him from abroad by Charles François Leopold Oudry, of Paris, in the Empire of France, Electro Metallurgical Engineer.</i> <i>Letters Patent sealed.</i>
HAMMOND. 9th October 1862.	2727. ROBERT HAMMOND, of No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in armour for ships of war." <i>Provisional protection only.</i>

NEWTON. 9th October 1862.	2728. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for breaking and cleaning flax, hemp and other like fibrous substances."— <i>A communication to him from abroad by Gelston Sanford and James Edward Mallory, both of New York, United States of America.</i> <i>Letters Patent sealed.</i>
PALSER. 9th October 1862.	2729. JOSEPH BENEC PALSER, of the Crown Hotel, Holborn, in the County of Middlesex, Paper Maker, for an invention for—"Improved apparatus for manufacturing paper pulp and recovering the alkali used in such manufacture." <i>Letters Patent sealed.</i>
SIMONS. 9th October 1862.	2730. GUSTAVE SIMONS, of No. 27, Place du Théâtre, Liege, Belgium, Manufacturer, for an invention for—"Improvements in the manufacture of plates, rods, axles, tyres and other articles that are required to be partly of iron and partly of steel." <i>Provisional protection only.</i>
HOSCH. 10th October 1862.	2731. LOUIS HOSCH, Commercial Agent, of No. 9, Lawrence Pountney Hill, Cannon Street, in the City of London, for an invention for—"An improvement in the mode of constructing travelling trunks and portmanteaus." <i>Letters Patent sealed; no specification filed.</i>
SCHOFIELD. SCHOFIELD. 10th October 1862.	2732. WILLIAM SCHOFIELD, and SILAS SCHOFIELD, of Ashton-under-Lyne, in the County of Lancaster, Manufacturing Jewellers, for an invention for—"Improvements in apparatus for cutting button holes and other similar purposes." <i>Provisional protection only.</i>
GREEN. COCKCROFT. 10th October 1862.	2733. ROBERT ELLIS GREEN, of Accrington, in the County of Lancaster, Turkey Red Dyer, and JOHN COCKCROFT, of the same place, Machine Printer, for an invention for—"An improved amalgamation of materials forming a substance suitable for printers' blankets, conductors used in paper making, packings for joints and similar purposes." <i>Letters Patent sealed.</i>
BAGULEY. GREENER. 10th October 1862.	2734. GEORGE BAGULEY, of Hanley, in the County of Stafford, China Manufacturer, and HENRY GREENER, of Sunderland, in the County of Durham, Flint Glass Manufacturer, for an invention for—"An improved construction of insulator for telegraph wires." <i>Provisional protection only.</i>
LOWE. HARRIS. 10th October 1862.	2735. JAMES LOWE, of Claremont Place, Old Kent Road, in the County of Surrey, Machinist, and JOSIAH HARRIS, of Ess Hill House, Newton Abbott, in the County of Devon, Gentleman, for an invention for—"An improved construction of propeller." <i>Letters Patent sealed.</i>
MARINONI. 10th October 1862.	2736. HIPPOLYTE AUGUSTE MARINONI, of Rue de Vaugirard, Paris, in the Empire of France, Engineer, for an invention for—"Improvements in apparatus for fixing type in the chases." <i>Letters Patent sealed.</i>
EDGE. 10th October 1862.	2737. WILLIAM CHARLES EDGE, of Clerkenwell, in the County of Middlesex, for an invention for—"Improvements in velocipedes." <i>Provisional protection only.</i>
SUTHERLAND. 10th October 1862.	2738. DOUGLAS SYMONDS SUTHERLAND, of Rio de Janeiro, at present of Crosby Square, in the City of London, Civil Engineer, for an invention for—"Improvements in constructing beams, girders, bridges and viaducts." <i>Letters Patent sealed.</i>
WEALLENS. 10th October 1862.	2739. WILLIAM WEALLENS, of the Town and County of Newcastle-upon-Tyne, Engineer, for an invention for—"Improvements in surface condensers for marine and other engines." <i>Letters Patent sealed; no specification filed.</i>
ANDERSON. 10th October 1862.	2740. THOMAS ANDERSON, of Glasgow, in the County of Lanark, North Britain, Mechanic, for an invention for—"Improvements in the construction of ships or vessels." <i>Provisional protection only.</i>
SHEDLOCK. 11th October 1862.	2741. JAMES JOHN SHEDLOCK, of 63, Cambridge Street, Pimlico, in the County of Middlesex, for an invention for—"Improvements in gas-meters." <i>Letters Patent sealed.</i>
FRANKLIN. 11th October 1862.	2742. EDMUND JOHN FRANKLIN, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"A combined spring tape measure, needle case and pin cushion." <i>Provisional protection only.</i>

VENNEDY. 11th October 1862.	2743. AUGUSTINE VENNEDY, of Swan Yard, Shoreditch, in the County of Middlesex, Manufacturer, for an invention for—"An improved composition for covering and forming the tips of umbrellas and parasols, also applicable to covering the ribs and stretchers of same." <i>Letters Patent sealed.</i>
BROOMAN. 11th October 1862.	2744. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Louis Julien Gastinne, of Paris, France.</i> <i>Letters Patent sealed.</i>
CATCHPOOL. 11th October 1862.	2745. WILLIAM CATCHPOOL, of 355, Goswell Road, in the County of Middlesex, Miller, for an invention for—"Improvements in fire-escapes." <i>Provisional protection only.</i>
DURRANT. 11th October 1862.	2746. JAMES DURRANT, of No. 3, Stangate Street, Westminster, in the County of Middlesex, Mechanical Engineer, for an invention for—"Improvements in the form and construction of chimney tops or appliances for surmounting chimneys." <i>Letters Patent sealed.</i>
BOUCH. 11th October 1862.	2747. THOMAS BOUCH, of Edinburgh, in the County of Mid-Lothian, North Britain, Civil Engineer, for an invention for—"Improvements in machinery or apparatus for charging or filling cartridges." <i>Letters Patent sealed.</i>
NEWTON. 11th October 1862.	2748. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in evaporating apparatus applicable to the manufacture of sugar."— <i>A communication to him from abroad by Theodore Champierre de Villeneuve, of Rue St. Sébastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
NEWTON. 11th October 1862.	2749. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in sewing-machines."— <i>A communication to him from abroad by Walter Davis Richards, of Boston, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
CHATWOOD. 13th October 1862.	2750. SAMUEL CHATWOOD, of the Liver Safe Works, Bolton, in the County of Lancaster, Safe Manufacturer, for an invention for—"Improvements in and connected with fire and thief proof depositories and locks or fasteners connected therewith, parts of which improvements are also applicable to other purposes of security." <i>Letters Patent sealed.</i>
HARVEY. HARVEY. 13th October 1862.	2751. GEORGE HARVEY, and ALEXANDER HARVEY, junior, of the Firm of G. and A. Harvey, of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in boring-machinery." <i>Letters Patent sealed.</i>
GALLIS. 13th October 1862.	2752. AUGUST FRIEDRICH GALLIS, of 71, Dean Street, Soho, London, for an invention for—"A new method of covering street omnibuses and vehicles of every description, for the purpose of sheltering passengers travelling on the top of the same." <i>Letters Patent sealed.</i>
HASELTINE. 13th October 1862.	2753. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, American Barrister-at-Law, for an invention for—"Improvements in 'jacks' and screw-nuts for attaching thills and poles of waggons and other vehicles to the axle-trees of the same."— <i>A communication to him from abroad by Lyman Derby, of the City and State of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
MCCARTHY. 13th October 1862.	2754. CHARLES MCCARTHY, of the City of New York, in the County and State of New York, in the United States of America, for an invention for—"Improvements in automatic safety-valves." <i>Letters Patent sealed.</i>
LOEDER. 13th October 1862.	2755. WILLIAM LOEDER, of No. 1, New Broad Street, in the County of Middlesex, Merchant, for an invention for—"An improved projectile to be used with ordnance or fire-arms of any caliber."— <i>A communication to him from abroad by Gabriel Dumler, of Namur, Belgium, Engineer.</i> <i>Letters Patent sealed.</i>
THOMAS. 13th October 1862.	2756. CHARLES THOMAS, of the City of Bristol, Soap Manufacturer, for an invention for—"Improvements in the manufacture of silicate of soda or silicate of potash, and in the manufacture of artificial stone." <i>Letters Patent sealed.</i>

HAIG. 13th October 1862.	2757. WILLIAM GILLUM HAIG, of Canonbury Park North, in the County of Middlesex, Gentleman, for an invention for—"A new article of apparel to be worn instead of or in addition to a shirt front and waistcoat." <i>Provisional protection only.</i>
GUMBLEY. 13th October 1862.	2758. JOSEPH GUMBLEY, of Llantressant, in the County of Glamorgan, Contractor, for an invention for—"An improved break for vehicles travelling on common roads." <i>Letters Patent sealed.</i>
MAHON. 13th October 1862.	2759. ARTHUR IRWIN MAHON, of No. 25, Leinster Square, Rathmines, in the County of Dublin, Engineer, for an invention for—"Improvements in propellers and paddle floats, also applicable to the raising and forcing of water or other fluids." <i>Provisional protection only.</i>
WILSON. 13th October 1862.	2760. EDWARD BROWN WILSON, of Parliament Street, Westminster, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus employed in the manufacture of iron and steel." <i>Letters Patent sealed.</i>
SMITH. 14th October 1862.	2761. SPENCER SMITH, of 204, High Holborn, in the County of Middlesex, Engineer, for an invention for—"Improvements in kettles, saucepans and boilers for domestic and other purposes." <i>Provisional protection only.</i>
GRICE. 14th October 1862.	2762. FREDERIC GROOM GRICE, of West Bromwich, in the County of Stafford, Manufacturer, for an invention for—"An improvement or improvements in the manufacture of nuts for screwed bolts and in machinery to be employed in the said manufacture." <i>Letters Patent sealed.</i>
SUCKOW. HABEL. 14th October 1862.	2763. EDMUND SUCKOW, and EDWARD HABEL, both of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Certain improvements in machinery or apparatus for preparing, spinning and doubling cotton and other fibrous materials." <i>Provisional protection only.</i>
BRIDSON. ALCOCK. 14th October 1862.	2764. HENRY BRIDSON, of Bolton-le-Moors, in the County of Lancaster, Bleacher and Finisher, and JOHN ALCOCK, of the same place, Millwright, for an invention for—"Improvements in machinery for folding, measuring and hooking woven fabrics." <i>Letters Patent sealed.</i>
BARLOW. CLOUGH. HAMILTON. 14th October 1862.	2765. EDWARD BARLOW, of Bolton-le-Moors, in the County of Lancaster, Machine Maker, and JAMES CLOUGH, and FRANCIS HAMILTON, of the same place, Foreman, for an invention for—"Certain improvements in machinery for driving cotton gins and for preparing and combing cotton and other fibrous substances." <i>Letters Patent sealed.</i>
SNIDER. 14th October 1862.	2766. JACOB SNIDER, junior, of Pennsylvania, United States of America, now residing at 51, Dorset Street, London, in the County of Middlesex, for an invention for—"Improvements in the construction of 'hansom cabs' and other similar vehicles." <i>Letters Patent sealed.</i>
HARRATT. 14th October 1862.	2767. CHARLES HARRATT, of Hornsey Lane, Highgate, in the County of Middlesex, for an invention for—"Improvements in ships' masts." <i>Letters Patent sealed.</i>
REID. REID. 14th October 1862.	2768. DAVID REID, and CHRISTIAN JOHN REID, both of Grey Street, Newcastle-upon-Tyne, for an invention for—"Improvements in the manufacture of cases for watches and other pocket time-keepers." <i>Letters Patent sealed.</i>
CARTWRIGHT. 14th October 1862.	2769. MATTHEW CARTWRIGHT, of Hoxton, in the County of Middlesex, Dentist, for an invention for—"Improvements in plates for artificial teeth." <i>Letters Patent sealed.</i>
BROOMAN. 14th October 1862.	2770. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for carburetting gas."— <i>A communication to him from abroad by Louis Bricout, Julien Bricout and Emile Berlet, all of Reims, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 14th October 1862.	2771. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in dressing millstones and in materials employed therein."— <i>A communication to him from abroad by Cyprien Marie Tessié du Motay, and Charles Raphael Maréchal, both of Metz, France.</i> <i>Provisional protection only.</i>

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| <p>MONCKTON.
14th October 1862.</p> <p>SHOWELL.
SHOWELL.
14th October 1862.</p> <p>HEALEY.
14th October 1862.</p> <p>JOHNSON.
14th October 1862.</p> <p>MOLYNEUX.
15th October 1862.</p> <p>WILSON.
15th October 1862.</p> <p>JENKINSON.
15th October 1862.</p> <p>TAYLOR.
15th October 1862.</p> <p>DE BERGUE.
15th October 1862.</p> <p>DE BERGUE.
15th October 1862.</p> <p>POPE.
15th October 1862.</p> <p>POTENZA.
15th October 1862.</p> <p>PIRET.
15th October 1862.</p> <p>PRUD'HOMME.
15th October 1862.</p> <p>BAPTY.
15th October 1862.</p> <p>BROOMAN.
15th October 1862.</p> | <p>2772. EDWARD HENRY CRADOCK MONCKTON, of 5, Thurloe Place, South Kensington, in the County of Middlesex, Esquire, for an invention for—"Improvements in coils of induction and in obtaining and applying power by means of electro-magnetism."
<i>Letters Patent sealed.</i></p> <p>2773. OWEN JOHNSON SHOWELL, and JOHN SHOWELL, both of the City of Manchester, in the County of Lancaster, Surveyors, for an invention for—"Improvements in the construction of glass roofs and roof lights."
<i>Letters Patent sealed.</i></p> <p>2774. SAMUEL HEALEY, of Elizabeth Street, Hackney Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture of zinc."
<i>Provisional protection NOT granted.</i></p> <p>2775. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in sewing machines."—<i>A communication to him from abroad by David Wood Green Humphrey, of Chelsea, in the County of Suffolk, in the State of Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>2776. ECHLIN MOLYNEUX, junior, of Seaview, Enniskerry, Co, Wicklow, Ireland, for an invention for—"An improved carriage with a travelling railway attached."
<i>Letters Patent sealed.</i></p> <p>2777. WILLIAM WILSON, of No. 18A, Wigmore Street, in the County of Middlesex, for an invention for—"An improved oblong drawing room bagatelle and billiard table with reversible top, and made in various shapes and sizes."
<i>Letters Patent sealed.</i></p> <p>2778. JOHN HENRY JENKINSON, of the City of Manchester, Cotton Spinner, for an invention for—"Certain improvements in drinking-fountains."
<i>Letters Patent sealed.</i></p> <p>2779. JACOB TAYLOR, of Oldham, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in temples for looms."
<i>Letters Patent sealed.</i></p> <p>2780. CHARLES DE BERGUE, of Strangeways' Works, Manchester, Engineer, for an invention for—"Improvements in apparatus for the crushing and treatment of ores."
<i>Provisional protection NOT granted.</i></p> <p>2781. CHARLES DE BERGUE, of Strangeways' Works, Manchester, Engineer, for an invention for—"Improvements in the permanent way of railways."
<i>Letters Patent sealed.</i></p> <p>2782. WILLIAM POPE, of Cornwall Road, Lambeth, in the County of Surrey, Gentleman, for an invention for—"Improvements in coating the sides of ships, batteries, forts or other places with defensive armour plates."
<i>Letters Patent sealed.</i></p> <p>2783. PASQUALE POTENZA, of Naples, in the Kingdom of Italy, Commander, for an invention for—"The extraction, preparation and spinning of the silky fibre contained in the bark of mulberry trees, and the manufacture of the same into textile fabrics."
<i>Letters Patent sealed.</i></p> <p>2784. JEAN BAPTISTE GABRIEL MARIE FRÉDÉRIC PIRET, of 29, Boulevard St. Martin, Paris, Civil Engineer, for an invention for—"Improvements in lubricating-apparatus."
<i>Letters Patent sealed.</i></p> <p>2785. FRANÇOIS FERDINAND PRUD'HOMME, of 51, Rue de Malte, Paris, in the Empire of France, for an invention for—"Improvements in machinery or apparatus for raising water."
<i>Letters Patent sealed.</i></p> <p>2786. JOHN BAPTY, of Leeds, in the County of York, Woollen Yarn Manufacturer, for an invention for—"Improvements in apparatus for preparing wool and other fibrous materials."
<i>Provisional protection only.</i></p> <p>2787. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in felting-machines applicable also to the fulling, scouring and dressing of pure and mixed woollen stuffs."—<i>A communication to him from abroad by Frederic Davin, of Paris, France.</i>
<i>Provisional protection only.</i></p> |
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BROOMAN. 15th October 1862.	2788. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in refrigerating and freezing and in apparatus employed therein."— <i>A communication to him from abroad by David Joseph Kennelly, of Bombay.</i> <i>Letters Patent sealed.</i>
COWPER. 15th October 1862.	2789. EDWARD ALFRED COWPER, of No. 35A, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
BARNINGHAM. 16th October 1862.	2790. WILLIAM BARNINGHAM, of the Pendleton Iron Works, near the City of Manchester, Iron Manufacturer and Engineer, for an invention for—"Improvements in the permanent way of railways." <i>Letters Patent sealed.</i>
BERRY. 16th October 1862.	2791. GEORGE BERRY, of 19, Buttesland Street, Hoxton, in the County of Middlesex, Gentleman, for an invention for—"Improvements in locks." <i>Provisional protection only.</i>
PATTISON. 16th October 1862.	2792. GODFREY THOMAS HOPE PATTISON, of Glasgow, in the County of Lanark, North Britain, Finisher, for an invention for—"Improvements in machinery or apparatus for embossing or finishing woven fabrics." <i>Letters Patent sealed.</i>
PATTISON. 16th October 1862.	2793. GODFREY THOMAS HOPE PATTISON, of Glasgow, in the County of Lanark, North Britain, Finisher, for an invention for—"The imparting of an improved surface or appearance to fabrics woven with mixed materials." <i>Letters Patent sealed.</i>
RÉMIÈRE. 16th October 1862.	2794. HENRI AMABLE RÉMIÈRE, of No. 52, Rue de l'Arbre-sec, Paris, in the Empire of France, Harness Maker, for an invention for—"An improved horse collar." <i>Letters Patent sealed.</i>
DELMAS. 16th October 1862.	2795. FLORENTIN DELMAS, of 9, Cloak Lane, in the City of London, Gentleman, for an invention for—"A rain absorber." <i>Provisional protection only.</i>
HAROLD. 16th October 1862.	2796. THOMAS GEORGE HAROLD, of Brooklyn, in the County of Kings, and State of New York, United States of America, for an invention for—"Improvements in locks." <i>Provisional protection only.</i>
HUMPHRYS. 16th October 1862.	2797. EDWARD HUMPHRYS, of Deptford, in the County of Kent, Engineer, for an invention for—"Improvements in steering-apparatus." <i>Letters Patent sealed.</i>
RANSFORD. 16th October 1862.	2798. HENRY RANSFORD, of Huron Lodge, West Brompton, in the County of Middlesex, for an invention for—"Improvements in building ships and other vessels." <i>Letters Patent sealed.</i>
CASH. CASH. 16th October 1862.	2799. JOHN CASH, and JOSEPH CASH, the younger, of Coventry, in the County of Warwick, Manufacturers, for an invention for—"An improvement in the manufacture of valentines." <i>Provisional protection only.</i>
ROBINSON. 16th October 1862.	2800. JOSEPH ROBINSON, of East India Road, in the County of Middlesex, Surveyor, for an invention for—"Improvements in protecting the submerged portions of iron ships, and in ventilating the cabins and cabin decks in iron ships." <i>Letters Patent sealed.</i>
HELY. MILLS. 16th October 1862.	2801. EDWARD HELY, junior, of Merchants Quay, Dublin, and CLONCLIFFE MILLS, Co. Dublin, Envelope Manufacturer, for an invention for—"Improvements in envelopes." <i>Provisional protection only.</i>
NELSON. 16th October 1862.	2802. EDWARD NELSON, of 13, Johnson's Place, Ranelagh Road, Thames Bank, Chemist, for an invention for—"Improvements in the manufacture of apparatus for heating and super-heating steam and air without decomposition." <i>Letters Patent sealed.</i>
SUMMERTON. 17th October 1862.	2803. JOHN SUMMERTON, of Smethwick, in the County of Stafford, Agricultural Machinist, for an invention for—"Certain improvements in harrows for harrowing land." <i>Letters Patent sealed.</i>
WICKENS. 17th October 1862.	2804. HENRY WICKENS, of No. 4, Tokenhouse Yard, Bank, in the City of London, Solicitor, for an invention for—"Improvements in machinery for making nails."— <i>The result partly of a communication to him from abroad by William Wickersham, of Boston, in the County of Suffolk, and State of Massachusetts, in the United States of America, Engineer, and partly of invention and discovery made by him.</i> <i>Letters Patent sealed.</i>

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| <p>DAVIES.
DAVIES.
17th October 1862.</p> <p>KENNEDY.
17th October 1862.</p> <p>BOUSFIELD.
17th October 1862.</p> <p>JOHNSON.
17th October 1862.</p> <p>WEBSTER.
18th October 1862.</p> <p>LORD.
18th October 1862.</p> <p>LEDGER.
WILLIAMSON.
18th October 1862.</p> <p>BENTLEY.
18th October 1862.</p> <p>LAUTH.
18th October 1862.</p> <p>BROOMAN.
18th October 1862.</p> <p>FULLER.
18th October 1862.</p> <p>GEDGE.
18th October 1862.</p> <p>CLARK.
18th October 1862.</p> <p>TANGYE.
20th October 1862.</p> | <p>2805. JONAH DAVIES, of Tipton, in the County of Stafford, Iron Founder and Engineer, and GEORGE DAVIES, of Tipton, aforesaid, Iron Founder and Engineer, for an invention for—"Improvements in rotary engines, rotary pumps and rotary blowing machines."
<i>Letters Patent sealed.</i></p> <p>2806. WILLIAM SADLER KENNEDY, of Queen's Road, Bayswater, in the County of Middlesex, for an invention for—"An improved method of and apparatus for applying fomentations and other external remedies to the throat."
<i>Letters Patent sealed.</i></p> <p>2807. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of iron and steel."—<i>A communication to him from abroad by the inventor Goran Fredrik Göransson, of Gefle, in the Kingdom of Sweden.</i>
<i>Provisional protection only.</i></p> <p>2808. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the prevention or removal of incrustation in or from steam generators."—<i>A communication to him from abroad by The Society Lecacheux, Sartre, Bernard, and Company, of Marseilles, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>2809. RICHARD WEBSTER, of Leeds, in the County of York, for an invention for—"Improvements in means or apparatus for preventing or mitigating accidents arising from collisions of railway trains."
<i>Provisional protection only.</i></p> <p>2810. EDWARD LORD, of Todmorden, in the County of York, Machine Maker, for an invention for—"Certain improvements in machinery for opening and cleaning cotton and other fibrous substances."
<i>Letters Patent sealed.</i></p> <p>2811. HENRY LEDGER, of Manchester, in the County of Lancaster, Builder, and BENJAMIN WILLIAMSON, of the same place, Traveller, for an invention for—"An improved substitute for tombstones, tablets, monuments, and other similar memorials or commemorative records."
<i>Letters Patent sealed.</i></p> <p>2812. JOHN BENTLEY, of Denton, in the County of Lancaster, Hat Manufacturer, for an invention for—"Improvements in apparatus for forming and pressing felt hats."
<i>Letters Patent sealed.</i></p> <p>2813. BERNARD LAUTH, late of Pittsburg, Pennsylvania, United States of America, but at present residing at Reichshoffen, in the Empire of France, for an invention for—"Improvements in machinery or apparatus for polishing sheet iron or other metal."
<i>Letters Patent sealed.</i></p> <p>2814. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in frames for doubling and twisting threads."—<i>A communication to him from abroad by Constant Sauval, of Amiens, France.</i>
<i>Letters Patent sealed.</i></p> <p>2815. JOHN FULLER, of Bishopsgate Street, in the City of London, Telegraph Engineer in the employment of Messrs. Silver and Company, for an invention for—"An improvement in treating india-rubber used on a wire or wires for insulating the same."
<i>Letters Patent sealed.</i></p> <p>2816. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved apparatus for extracting condensed steam."—<i>A communication to him from abroad by Gabriel Brasseur, of No. 15, Passage des Petites Ecuries, Paris, France.</i>
<i>Letters Patent sealed.</i></p> <p>2817. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for dredging."—<i>A communication to him from abroad by Léon Jean Emile Dupont, of 29, Boulevard St. Martin, Paris, Proprietor.</i>
<i>Letters Patent sealed.</i></p> <p>2818. JAMES TANGYE, of the Firm of Tangye, Brothers and Price, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in or addition to certain kinds of pulleys for raising heavy weights."
<i>Letters Patent sealed.</i></p> |
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HASELTINE. 20th October 1862.	2819. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, for an invention for—"Improvements in forging cannon and other heavy articles."— <i>A communication to him from abroad by Alonzo Hitchcock, of Chicago, State of Illinois, United States of America.</i> <i>Letters Patent sealed.</i>
BROOMAN. 20th October 1862.	2820. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in transferring designs and prints produced by photography to stone or zinc."— <i>A communication to him from abroad by François Louis Marquier, of Havannah, Cuba.</i> <i>Provisional protection only.</i>
CLARK. 20th October 1862.	2821. JOHN CLARK, of Buchanan Street, Glasgow, in the County of Lanark, for an invention for—"Improvements in the means of applying railway brakes." <i>Letters Patent sealed.</i>
HALL. PARNELL. 20th October 1862.	2822. NATHANIEL RICHARD HALL, of Rosherville, Northfleet, in the County of Kent, and MICHAEL LEOPOLD PARNELL, of the Strand, in the County of Middlesex, for an invention for—"Improvements in the construction of thermometers." <i>Letters Patent sealed.</i>
TURNER. COUGHIN. 20th October 1862.	2823. WILLIAM ALLEN TURNER, of Lawrence Pountney Lane, in the City of London, and THOMAS TOWNSEND COUGHIN, of King's Place, Stones' End, Borough, in the County of Surrey, for an invention for—"Improvements in apparatus for measuring cloths and other fabrics, parts of which are also applicable to indicating distances travelled by vehicles." <i>Letters Patent sealed.</i>
PAYNE. 20th October 1862.	2824. JOHN BELLAMY PAYNE, of Chard, in the County of Somerset, Engineer and Lace Manufacturer, for an invention for—"Improvements in machinery for the spinning, twisting and doubling and laying of hemp, flax and other fibrous substances." <i>Letters Patent sealed.</i>
EMERY. 20th October 1862.	2825. HORACE LEEMAN EMERY, of Albany, in the State of New York, in the United States of America, now of No. 72, Sloane Street, in the County of Middlesex, Engineer and Manufacturer, for an invention for—"Improvements in propelling machinery actuated by the application of animal power." <i>Letters Patent sealed.</i>
JOHNSON, 20th October 1862.	2826. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in apparatus for boiling liquids and cooking or preparing food, applicable also as a night light."— <i>A communication to him from abroad by Anthony Pollak, of the City of Washington, in the United States of America.</i> <i>Letters Patent sealed.</i>
BUTLIN. 21st October 1862.	2827. WILLIAM BUTLIN, of Northampton, in the County of Northampton, for an invention for—"Improvements in machinery for splitting leather, and also for making usable leather out of waste pieces, likewise the machinery necessary for the production of the same." <i>Provisional protection NOT granted.</i>
TRISTRAM. 21st October 1862.	2828. WILLIAM TRISTRAM, of Bolton, in the County of Lancaster, Manufacturer, for an invention for—"An improved method of and apparatus for preparing and dressing yarns or threads to be employed as warps." <i>Provisional protection only.</i>
TUCKER. 21st October 1862.	2829. WALTER HENRY TUCKER, of 181, Fleet Street, in the City of London, for an invention for—"Improvements in self-closing apparatus for doors." <i>Provisional protection only.</i>
BYRAM. 21st October 1862.	2830. JOSEPH BYRAM, of Moldgreen, near Huddersfield, in the County of York, Tinner, Brazier and Ironmonger, for an invention for—"Improvements in lamps for the combustion of paraffin, rock-oil or other oils." <i>Provisional protection only.</i>
WHITHAM. WRIGHT. 21st October 1862.	2831. SAMUEL WHITHAM, Iron Manufacturer, and THOMAS WRIGHT, Manager of the Calder Vale Iron Works, Wakefield, in the County of York, for an invention for—"Improvements in the manufacture of iron and steel and in the apparatus employed for that purpose." <i>Letters Patent sealed.</i>
CLARKE. 21st October 1862.	2832. CHARLES GEORGE CLARKE, the younger, of Owthorn, near Hull, in the County of York, for an invention for—"Improvements in garden shears." <i>Letters Patent sealed.</i>

CLARK. 21st October 1862.	2833. CHARLES CLARK, of 361, City Road, in the County of Middlesex, for an invention for—"Improvements in cigar tubes and in cigar and pipe mouth-pieces." <i>Provisional protection only.</i>
COOKE. 21st October 1862.	2834. JOHN THOMAS COOKE, of Leicester, Batten Maker, for an invention for—"Improvements in battens for weaving." <i>Letters Patent sealed.</i>
BROOMAN. 21st October 1862.	2835. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in waterproofing and in recovering products employed therein."— <i>A communication to him from abroad by Adolph Baldamus, of Charlottenburg, Prussia.</i> <i>Letters Patent sealed.</i>
BOUSFIELD. 21st October 1862.	2836. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of boots and shoes."— <i>A communication to him from abroad by Daniel Edwin Hayward, of Melrose, in the County of Middlesex, and State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
DUKE. CLEVER. 21st October 1862.	2837. JOSEPH DUKE and JOHN CLEVER, both of Puriton, in the County of Somerset, for an invention for—"Improvements in the manufacture of cement." <i>Letters Patent sealed.</i>
HASELTINE. 21st October 1862.	2838. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, for an invention for—"Improvements in the mode of and in machinery for manufacturing nails, brads and other similar articles."— <i>A communication to him from abroad by the inventors William Avery Sweet and John Edson Sweet, Engineers, both of Syracuse, in the State of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
TOLHAUSEN. 21st October 1862.	2839. FREDERICK TOLHAUSEN, of 17, Faubourg Montmartre, Paris, Civil Engineer and Patent Agent, for an invention for—"An improved machine for raising, lowering, removing and carrying buildings, monuments and ships or vessels."— <i>A communication from Jean Jerome Rancurel, Architect, a person resident at No. 124, Boulevard Chave, Marseilles.</i> <i>Provisional protection only.</i>
TRESS. BELHOMME. 21st October 1862.	2840. COOPER TRESS, of Blackfriars Road, in the County of Surrey, and FRANÇOIS CYRILLE BELHOMME, of New Street, Covent Garden, in the County of Middlesex, for an invention for—"Improvements in hats, caps, bonnets and other coverings for the head." <i>Letters Patent sealed.</i>
CLARK. 22nd October 1862	2841. GEORGE CLARK, of No. 30, Craven Street, Strand, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction, protection and armament of ships, vessels and floating batteries, some of which improvements are applicable to land batteries and forts." <i>Provisional protection only.</i>
SPENCE. 22nd October 1862.	2842. JAMES SPENCE, of Her Majesty's Dockyard, Portsmouth, Engineer, for an invention for—"Improvements in nonconducting compositions for preventing the radiation or transmission of heat or cold, and in coating metallic and other surfaces therewith." <i>Letters Patent sealed.</i>
WEBSTER. 22nd October 1862.	2843. CHARLES WEBSTER, of Ilkeston Road, in the Parish of Radford, in the County of Nottingham, Locksmith, for an invention for—"Improvements in self-acting fountains adapted for garden-engines, fire-engines, and for raising and forcing water from mines, wells and other places." <i>Provisional protection NOT granted.</i>
FIELDING. 22nd October 1862.	2844. ENOCH FIELDING, of Willow Bank, near Todmorden, in the County of York, Mechanic, for an invention for—"Improvements in the manufacture of halds and in the machinery employed therein." <i>Provisional protection only.</i>
WILDE. 22nd October 1862.	2845. HENRY WILDE, of the City of Manchester, Engineer, for an invention for—"Improvements in electro-magnetic telegraphs." <i>Letters Patent sealed; no specification filed.</i>
KROMSCHROEDER. KROMSCHROEDER. 22nd October 1862.	2846. HENRY HERMAN KROMSCHROEDER, and JOHN FREDERICK GUSTAV KROMSCHROEDER, both of Princess Terrace, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in the manufacture of gas-meters, and in the manufacture of sheet-metal suitable for gas-meters." <i>Letters Patent sealed.</i>
HUGHES. 22nd October 1862.	2847. EBENEZER WILLIAM HUGHES, of 28, Great George Street, Westminster, Civil Engineer, for an invention for—"Improvements in turntables and turn-bridges." <i>Provisional protection only.</i>

FEARN. 22nd October 1862.	2848. THOMAS FEARN, of Birmingham, in the County of Warwick, Electro-Metallurgist, for an invention for—"Improvements in the manufacture of rods, poles, tubes and other forms employed in the construction of various articles of furniture and for other similar purposes." <i>Letters Patent sealed.</i>
GREENWOOD. 22nd October 1862.	2849. THOMAS GREENWOOD, of Leeds, in the County of York, Machine Maker, for an invention for—"Improvements in machinery for preparing to be spun flax, hemp, tow, silk, waste, china grass and other fibrous substances." <i>Letters Patent sealed.</i>
ORLOWSKI. 22nd October 1862.	2850. VALENTINE ORLOWSKI, of Spring Gardens, Worcester, in the County of Worcester, for an invention for—"Improvements in motive-power carriages." <i>Provisional protection only.</i>
STROUD. 23rd October 1862.	2851. JOHN THOMAS STROUD, of Birmingham, in the County of Warwick, Lamp and Chandelier Manufacturer, for an invention for—"Improvements in lamps for general and special purposes, and in parts connected with the same." <i>Letters Patent sealed.</i>
GAMBLE. 23rd October 1862.	2852. WILLIAM SUTTON GAMBLE, of Frederick Street, Caledonian Road, Islington, in the County of Middlesex, for an invention for—"An improved salinometer." <i>Letters Patent sealed.</i>
CHAPLIN. RUSSELL. 23rd October 1862.	2853. ALEXANDER CHAPLIN, and GEORGE RUSSELL, of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in obtaining fresh water by evaporation and in apparatus therefor." <i>Letters Patent sealed.</i>
TURNBULL. 23rd October 1862.	2854. JOHN TURNBULL, of Barnard Castle, in the County of Durham, Brass and Iron Founder, for an invention for—"Improvements in mills for grinding grain." <i>Letters Patent sealed.</i>
CLARK. 23rd October 1862.	2855. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in sewing-machines." —A communication to him from abroad by Messrs. Dwight Tracy and George Hobbs, both of Worcester, in the County of Worcester, and State of Massachusetts, United States of America, Machinists. <i>Letters Patent sealed.</i>
BATH. 23rd October 1862.	2856. EDWARD BATH, of the Port Tennant Copper Works, Swansea, in the County of Glamorgan, for an invention for—"Improvements in treating alkali waste to obtain sulphur therefrom." <i>Provisional protection only.</i>
PERKES. 23rd October 1862.	2857. MATILDA CARTWRIGHT ASTON PERKES, of Belvidere House, Rosendale, Dulwich, in the County of Surrey, Spinster, for an invention for—"An equilibrium double action revolving rudder, self balancing drag, and improved steering gear." —A communication to her from abroad by Samuel Perkes, of Bombay, in the East Indies, Civil Engineer. <i>Letters Patent sealed.</i>
RÉE. 23rd October 1862.	2858. HARRY RÉE, of the Free City of Hamburg, for an invention for—"Improvements in apparatus for exercising the human body." <i>Letters Patent sealed.</i>
DONALD. 23rd October 1862.	2859. HUGH DONALD, of the Firm of Craig and Donald, of Johnstone, in the County of Renfrew, North Britain, Engineer, for an invention for—"Improvements in machinery or apparatus for bending or straightening metal plates." <i>Provisional protection only.</i>
CARBUTT. CLOUGH. 23rd October 1862.	2860. EDWARD HAMER CARBUTT, and GEORGE ALFRED CLOUGH, both of Bradford, in the County of York, Engineers, for an invention for—"Improvements in power hammers." <i>Letters Patent sealed.</i>
FIELD. 23rd October 1862.	2861. JOSHUA FIELD, of Lambeth, in the County of Surrey, Engineer, for an invention for—"Improvements in steam-engines, condensers and boilers." <i>Provisional protection only.</i>
BROOMAN. 23rd October 1862.	2862. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in tanning." —A communication to him from abroad by Joseph Mouren, of Marseilles, France. <i>Letters Patent sealed.</i>

VIGNEULLE-BREP- SON. 24th October 1862.	2863. ANNE JEAN FERDINAND VIGNEULLE-BREPSON, of Paris, 30, Boulevard de Beaumarchais, Architect, for an invention for—"A siphoidal cistern with water reservoir for kitchen or other drains in communication with infected sewers." <i>Letters Patent sealed.</i>
BURMEISTER. WAIN. 24th October 1862.	2864. CARL CHRISTIAN BURMEISTER, Engineer, and WILLIAM WAIN, Engineer, both of Copenhagen, in the Kingdom of Denmark, for an invention for—"Improvements in the construction of 'cupolas' and in apparatus conneced therewith for naval or other war purposes." <i>Provisional protection only.</i>
GROUX. 24th October 1862.	2865. LOUIS GROUX, of the Victoria Soap Works, Woodhouse Junction, near Sheffield, in the County of York, for an invention for—"Improvements in the manufacture of soap and in machinery for that purpose." <i>Letters Patent sealed.</i>
GIMSON. FLUDE. 24th October 1862.	2866. JOSIAH GIMSON, Engineer and Machinist, and ROBERT FLUDE, Loom Maker, both of Leicester, for an invention for—"Improvements in looms for weaving narrow fabrics." <i>Provisional protection only.</i>
NICHOLL. 24th October 1862.	2867. JOHN RICHARD NICHOLL, of Streatham, in the County of Surrey, Clerk, for an invention for—"An improved construction of fireplace or stove grate." <i>Provisional protection only.</i>
WRIGHT. 24th October 1862.	2868. JAMES WRIGHT, of 42, Copthall Court, Throgmorton Street, in the City of London, Civil Engineer, for an invention for—"Improvements in the construction of seamless stays."— <i>A communication to him from abroad by Clement Voisin and Alexis Voisin, of 41, Rue St. Fargeau, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
STROUD. 24th October 1862.	2869. JOHN THOMAS STROUD, of Birmingham, in the County of Warwick, Lamp and Chandelier Manufacturer, for an invention for—"Improvements in the manufacture of and in the machinery and appliances for holding, drilling, turning, tapping, fitting and shaping certain parts of steam, water, gas and lamp fittings." <i>Provisional protection NOT granted.</i>
DEVLAN. 24th October 1862.	2870. PATRICK SARRFIELD DEVLAN, of Jersey City, in the State of New Jersey, in the United States of America, at present temporarily at Buckingham Street, Strand, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture of bearings, steps, axle-boxes, and other surfaces and appliances or articles subjected to friction." <i>Letters Patent sealed.</i>
LUKE. LUKE. 25th October 1862.	2871. GEORGE LUKE, and WILLIAM LUKE, trading at No. 98, Mott Street, Birmingham, as Wholesale Saddlers, under the Firm of G. & W. Luke, for an invention for—"An improved stirrup." <i>Letters Patent sealed.</i>
CARPENDALE. 25th October 1862.	2872. JOHN CARPENDALE, Britannia Metal Smith, of Meadow Street, Sheffield, in the County of York, for an invention for—"Improvements in the means of producing raised chasing on Britannia and other compressible metals." <i>Complete specification ; Letters Patent sealed.</i>
OWEN. 25th October 1862.	2873. WILLIAM OWEN, of Rotherham, in the County of York, Engineer, for an invention for—"Improvements in stoves." <i>Letters Patent sealed.</i>
KEY. 25th October 1862.	2874. GILBERT TROWARD KEY, Lieutenant in Her Majesty's Royal Navy, of Portsmouth, for an invention for—"Improvements in fog and other signals." <i>Provisional protection only.</i>
BROWN. BROWN. 25th October 1862.	2875. DAVID BROWN, of Smethwick, in the County of Stafford, Gun Barrel Manufacturer and Iron Master, and WILLIAM BROWN, of Smethwick, aforesaid, Gun Barrel Manufacturer and Iron Master, for an invention for—"Improvements in rolling-machinery for rolling gun barrels, cannons and ather articles." <i>Provisional protection only.</i>
NICHOLSON. 25th October 1862.	2876. JOSEPH ALFRED NICHOLSON, of Gracechurch Street, in the City of London, Gentleman, for an invention for—"Improvements in lead, crayon and other pencils." <i>Letters Patent sealed.</i>
CLARK. 25th October 1862.	2877. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improvement in the construction of the joints of cast iron gas and water mains and other pipes."— <i>A communication to him from abroad by Richard Chester Robbins, Jesse Moore Kean and Henry Lamson Case, all of Jersey City, Hudson County, State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>

CLARK. 25th October 1862.	2878. ANDREW CLARK, of Brighton, in the County of Sussex, for an invention for—"Improvements in the construction of bows and pendants of watches." <i>Provisional protection only.</i>
ALFRAISE. 25th October 1862.	2879. PIERRE ALFRAISE, of 51, Rue de Malte, Paris, in the Empire of France, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
GHISLIN. 25th October 1862.	2880. THOMAS GOULSTON GHISLIN, of Hatton Garden, in the City of London, Importer, for an invention for—"Improvements in the treatment and utilization of certain foreign plants for the obtaining of useful fibres therefrom." <i>Letters Patent sealed.</i>
NEGRETTE. ZAMBRA. 25th October 1862.	2881. ENRICO ANGELO LUDOVICO NEGRETTE, and JOSEPH WARREN ZAMBRA, both of Hatton Garden, in the City of London, Meteorological Instrument Makers, for an invention for—"Improved apparatus for ascertaining or testing the explosibility of liquid hydro-carbons."— <i>A communication to them from abroad by Guiseppe Tagliabue, of New York, in the United States of America.</i> <i>Provisional protection only.</i>
BOURQUIN. 25th October 1862.	2882. JOHN PETER BOURQUIN, of Newman Street, Oxford Street, in the County of Middlesex, Album Manufacturer, for an invention for—"An improved manufacture of mount for photographic and other albums, miniatures and other pictures." <i>Provisional protection only.</i>
CHATTWOOD. 27th October 1862.	2883. JOSEPH CHATTWOOD, of Bury, in the County of Lancaster, Architect, for an invention for—"Improvements in ventilating rooms and cellars." <i>Letters Patent sealed.</i>
JOHNSON. 27th October 1862.	2884. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in rotatory engines."— <i>A communication to him from abroad by Wilhelm Heinrich Christian Voss, of Berlin, in the Kingdom of Prussia, Engineer.</i> <i>Provisional protection only.</i>
JOHNSON. 27th October 1862.	2885. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in heating glass furnaces."— <i>A communication to him from abroad by Joseph Venini, Paris, in the Empire of France, Engineer.</i> <i>Letters Patent sealed.</i>
JOUBERT. 27th October 1862.	2886. HENRI CHARLES RENÉ JOUBERT, Upholsterer, of 18, Maddox Street, in the County of Middlesex, for an invention for—"An improved method of raising and fixing at any height desired music stools, chairs or seats." <i>Letters Patent sealed; specification filed by order.</i>
LIPSCOMBE. 27th October 1862.	2887. FREDERICK LIPSCOMBE, of 233, Strand, in the County of Middlesex, Water Filter Manufacturer, for an invention for—"Improvements in purifying water." <i>Letters Patent sealed.</i>
WILLIAMS. 27th October 1862.	2888. WILLIAM JAMES WILLIAMS, of Number fifty-one, Dorset Street, Salisbury Square, in the County of Middlesex, for an invention for—"Improvements in the construction of field rakes for agricultural purposes."— <i>Partly his own invention and partly a communication from abroad by Harrison Wells, of the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>
PILGRIM. 27th October 1862.	2889. THOMAS PILGRIM, of 17, Carlisle Terrace, Fairfield Row, Bow, London, E., Engineer, for an invention for—"An improvement in locks, bolts, latches and other fastenings." <i>Letters Patent sealed.</i>
BONGER. 27th October 1862.	2890. FREDERIC LUDOVICUS HENRI WILLIAM BONGER, of 5, Gloucester Place, Brixton Road, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in self-acting apparatus for discharging the water resulting from the condensation of steam."— <i>A communication to him from abroad by Bernhard Andrae, of Magdeburg, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>
RIDGE. 27th October 1862.	2891. JOHN JAMES RIDGE, of Thomas Street, St. John's, Southwark, in the County of Surrey, M.D., for an invention for—"Improvements in treating certain farinaceous substances applicable to infants' or invalids' food, and in apparatus to be employed therein." <i>Letters Patent sealed.</i>

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27th October 1862.</p> <p>LINDEMANN.
27th October 1862.</p> <p>PEEK.
27th October 1862.</p> <p>RICHARDSON.
27th October 1862.</p> <p>HOWIE.
27th October 1862.</p> <p>CHALMERS.
28th October 1862.</p> <p>HOOVER.
28th October 1862.</p> <p>FLETCHER.
FLETCHER.
28th October 1862.</p> <p>TATHAM.
TATHAM.
28th October 1862.</p> <p>ALLEN.
28th October 1862.</p> <p>SMITH.
28th October 1862.</p> <p>TUDOR.
28th October 1862.</p> <p>DUNCAN.
28th October 1862.</p> <p>JEFFREYS.
28th October 1862.</p> <p>SUTTON.
28th October 1862.</p> <p>RIPLY.
29th October 1862.</p> <p>SHANKS.
KOHN.
29th October 1862.</p> | <p>2892. PAULE EMILE PLACET, of Paris, Cité Gaillard, No. 5, Civil Engineer, for an invention for—"An improved process of engraving." <i>Letters Patent sealed.</i></p> <p>2893. GUSTAV LINDEMANN, of Salford, in the County of Lancaster, Engineer, for an invention for—"Improvements in the manufacture of bricks, tiles, slabs and other articles of earthenware or other plastic material, and in the machinery or apparatus connected therewith." <i>Letters Patent sealed.</i></p> <p>2894. ALFRED PEEK, of the City of Manchester, Manufacturing Chemist, for an invention for—"Improvements in apparatus for evaporating saccharine and saline solutions." <i>Letters Patent sealed.</i></p> <p>2895. THOMAS RICHARDSON, of the Town and County of Newcastle-upon-Tyne, Chemist, for an invention for—"Improvements in the manufacture of sulphate of soda." <i>Provisional protection only.</i></p> <p>2896. JOHN HOWIE, of Hurlford, in the County of Ayr, North Britain, Coal Master, for an invention for—"Improvements in machinery or apparatus for regulating the supply of solid or liquid bodies to mills or other apparatus used in mixing or preparing plastic matters." <i>Provisional protection only.</i></p> <p>2897. JAMES CHALMERS, residing at 8, Knight's Place, Wandsworth Road, Vauxhall, London, for an invention for—"Improvements in armour plating ships of war and fortifications." <i>Provisional protection only.</i></p> <p>2898. EDWARD HOOVER, of Southampton, in the County of Southampton, for an invention for—"Improvements in roofing-tiles." <i>Letters Patent sealed.</i></p> <p>2899. JOHN FLETCHER, senr., of Leeds, and JOHN FLETCHER, junr., of Newcastle-upon-Tyne, for an invention for—"Improvements in machinery for shaping iron and other metals." <i>Provisional protection only.</i></p> <p>2900. EDMUND TATHAM, and AMOS TATHAM, both of Ilkeston, in the County of Derby, Lace Manufacturers, for an invention for—"An improvement in warp machines for the manufacture of looped fabrics." <i>Letters Patent sealed.</i></p> <p>2901. HORATIO ALLEN, of St. James Place, St. James Street, in the County of Middlesex, Engineer, for an invention for—"Improved apparatus for preparing leaves and stalks of plants for being cleaned or dressed for the purpose of obtaining the useful fibres they contain." <i>Provisional protection only.</i></p> <p>2902. GEORGE HEDGCOMBE SMITH, of North Perrott, in the County of Somerset, Twine and Web Manufacturer, for an invention for—"Improvements in the manufacture of crinoline or elastic hoops for dresses." <i>Provisional protection only.</i></p> <p>2903. EDWARD SCRIPPS TUDOR, of Upper Thames Street, in the City of London, White Lead Manufacturer, for an invention for—"Improvements in the purification of lead." <i>Letters Patent sealed.</i></p> <p>2904. CHARLES STEWART DUNCAN, of Inverness Road, Bayswater, in the County of Middlesex, for an invention for—"An improved compound or material for coating or covering metallic and vegetable substances to preserve them from corrosion or decay." <i>Letters Patent sealed.</i></p> <p>2905. JULIUS JEFFREYS, of The Rise, Hoddesdon, in the County of Herts, for an invention for—"Improvements in constructing surface condensers and apparatus for heating and cooling fluids." <i>Provisional protection only.</i></p> <p>2906. THOMAS SUTTON, Bachelor of Arts, of Saint Brelade's Bay, in the Island of Jersey, for an invention for—"Improvements in preparing albumenized paper for photographic purposes." <i>Letters Patent sealed.</i></p> <p>2907. ABRAHAM RIPLEY, of Brook Street, West Square, Lambeth, in the County of Surrey, Engineer, for an invention for—"Improvements in the construction of pistons for steam engines, which improvements are also applicable to air and liquid pumps." <i>Letters Patent sealed.</i></p> <p>2908. ANDREW SHANKS, and FERDINAND KOHN, Engineers, of 6, Robert Street, Adelphi, Westminster, Middlesex, for an invention for—"Improvements in hydrostatic presses." <i>Letters Patent sealed.</i></p> |
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DARLINGTON. 29th October 1862.	2909. GEORGE DARLINGTON, of Minera, in the County of Denbigh, Zinc Smelter, for an invention for—"Improvements in the manufacture of zinc oxide." <i>Letters Patent sealed.</i>
KRUPP. 29th October 1862.	2910. ALFRED KRUPP, of Essen, in the Kingdom of Prussia, Cast Steel Manufacturer, for an invention for "Certain improvements in breech loading ordnance and fire-arms." <i>Letters Patent sealed.</i>
HOGG. 29th October 1862.	2911. ADAM HOGG, of the Firm of McIntyre, Hogg and Company, of Londonderry, Glasgow, London and Manchester, Shirt Manufacturers, for an invention for—"Improvements in smoothing-irons." <i>Provisional protection only.</i>
CLARK. 29th October 1862.	2912. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for ascertaining and recording the speed and distance travelled by vehicles, the flow and quantity of water and other analogous purposes."— <i>A communication to him from abroad by Mr. Pierre Pradel, Mechanical Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
CLARK. 29th October 1862.	2913. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the treatment of copper ores and in apparatus for the same."— <i>A communication to him from abroad by Mr. Frédéric Le Clere, Doctor of Medicine, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
LISTER. BOTTOMLEY. BOTTOMLEY. 29th October 1862.	2914. ISHMAEL WILLIAM LISTER, JAMES BOTTOMLEY, and WILLIAM BOTTOMLEY, of Welloth Lane, Rochdale, in the County of Lancaster, Tool Makers, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
COOKE. 29th October 1862.	2915. WILLIAM COOKE, of 25, Spring Gardens, St. Martin's in the Fields, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus for ventilating." <i>Provisional protection only.</i>
EVANS. 29th October 1862.	2916. WARDLE EASTLAND EVANS, of No. 8, Newton Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in apparatus for playing organs, harmoniums, pianos and other similar keyed instruments, and also improvements in reed musical instruments." <i>Provisional protection only.</i>
GEDGE. 29th October 1862.	2917. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved apparatus in connection with the pans of waterclosets."— <i>A communication to him from abroad by Jacques Germain, of Bordeaux, France.</i> <i>Provisional protection only.</i>
GEDGE. 29th October 1862.	2918. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in looms for weaving."— <i>A communication to him from abroad by Eugène Besge, of Côte-de-Chambrand, France, Manufacturer.</i> <i>Letters Patent sealed.</i>
FRYER. MEEARS. 29th October 1862.	2919. DANIEL FRYER, of Carlton Square, Old Kent Road, in the County of Surrey, and JOSEPH WILLIAM MEEARS, of Annett's Crescent, Islington, in the County of Middlesex, for an invention for—"Improvements in casks, tanks or other receptacles for containing petroleum and other oils or spirits." <i>Provisional protection only.</i>
HEAD. 29th October 1862.	2920. JEREMIAH HEAD, of the Steam Plough Wharf, New Swindon, in the County of Wilts, Engineer, for an invention for—"Improvements in machinery employed when cultivating land by steam power." <i>Provisional protection only.</i>
UNSWORTH. 29th October 1862.	2921. JOHN UNSWORTH, of Rochdale Road, Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
STOTT. 29th October 1862.	2922. FREDERICK LUKE STOTT, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements applicable to mechanism or apparatus for warping yarns or threads." <i>Letters Patent sealed.</i>

NEWHAM. 29th October 1862.	2923. HENRY PAUL FRYER NEWHAM, of Saint Mary's Gate, in the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in the manufacture or production of reversible shawls." <i>Provisional protection only.</i>
FLETCHER. FLETCHER. 29th October 1862.	2924. JOHN FLETCHER, senior, of Leeds, and JOHN FLETCHER, junior, of Newcastle-on-Tyne, for an invention for—"Improvements in forming wrought iron wheels and in the tools and apparatus for making the same." <i>Provisional protection only.</i>
LOCKWOOD. 30th October 1862.	2925. JOHN LOCKWOOD, of Batley, in the County of York, Rag Merchant, for an invention for—"Improvements in boilers." <i>Provisional protection only.</i>
EASTWOOD. 30th October 1862.	2926. HENRY EASTWOOD, of the Firm of John Eastwood and Son, of Elland, in the County of York, Machine Makers, for an invention for—"Improvements in boilers and furnaces." <i>Letters Patent sealed.</i>
GREGORY. 30th October 1862.	2927. FRANCIS GREGORY, of the City of Manchester, in the County of Lancaster, Agricultural Machinist, for an invention for—"Improvements in presses for pressing seeds, fruits, hops and other substances." <i>Letters Patent sealed.</i>
MAYALL. HOLLINGWORTH. 30th October 1862.	2928. GEORGE MAYALL, junior, of Liverpool, in the County of Lancaster, Broker, and JOHN HOLLINGWORTH, of Micklehurst, in the County of Chester, Manager, for an invention for—"Certain improvements in machinery or apparatus for preparing cotton and other fibrous materials for spinning." <i>Letters Patent sealed.</i>
EATON. 30th October 1862.	2929. JOHN EATON, of King's Norton, in the County of Worcester, Chandelier Maker, for an invention for—"An improvement or improvements in the manufacture of certain kinds of gas burners for illuminating purposes." <i>Provisional protection only.</i>
PIGGOTT. 30th October 1862.	2930. GEORGE PIGGOTT, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"New or improved machinery for punching, shearing, and rivetting sheets or plates of iron and other metals and alloys." <i>Letters Patent sealed.</i>
GIFFARD. 30th October 1862.	2931. PAUL GIFFARD, of Paris, 66, Boulevard des Batignoles, Civil Engineer, for an invention for—"Improvements in air-guns and other air-arms." <i>Letters Patent sealed.</i>
HORTON. 30th October 1862.	2932. JOSHUA HORTON, of the Aetna Works, Smethwick, near Birmingham, in the County of Stafford, for an invention for—"Improvements in the construction of armour plated ships and fortifications." <i>Provisional protection only.</i>
BIRCH. 30th October 1862.	2933. JAMES BIRCH, of New Norfolk Street, in the County of Middlesex, Bricklayer, for an invention for—"Improved apparatus for unstopping or clearing from obstructions drains, water-closets, stack, water and other pipes." <i>Provisional protection only.</i>
GUILD. 30th October 1862.	2934. ALEXANDER GUILD, of Horbury Gardens, Notting Hill, in the County of Middlesex, Merchant, for an invention for—"Improved apparatus for preparing and treating the leaves and stalks of fibre-yielding plants, and for cleaning and dressing the same." <i>Letters Patent sealed.</i>
HASELTINE. 30th October 1862.	2935. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, for an invention for—"Improvements in horse shoe machines."— <i>A communication to him from abroad by Jehu Brainerd and William Burridge, Consulting Engineers, both of the City of Cleveland, in the State of Ohio, in the United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
ASTROP. 31st October 1862.	2936. WILLIAM ASTROP, of Jubilee Street, Stepney, in the County of Middlesex, Stationer, for an invention for—"Improvements in the manufacture of paper." <i>Provisional protection only.</i>
BOWDITCH. 31st October 1862.	2937. WILLIAM RENWICK BOWDITCH, Clerk, of Saint Andrew's, Wakefield, in the County of York, for an invention for—"Improvements in carburetting or naphthalizing gas and in the apparatus employed therein." <i>Letters Patent sealed.</i>
CORLETT. 31st October 1862.	2938. HENRY LEE CORLETT, of Inchicore, in the County of Dublin, Associate of the Institution of Civil Engineers, for an invention for—"Improvements in the construction of tuyeres." <i>Letters Patent sealed.</i>

DICKINSON. COOKE. 31st October 1862.	2939. GEORGE DICKINSON, of Smethwick, in the County of Stafford, Manufacturer, and EDWARD COOKE, of Smethwick, aforesaid, Manager of Works, for an invention for—"Improvements in the construction and ornamentation of metallic bedsteads, couches and children's cots." <i>Letters Patent sealed.</i>
SPINK. 31st October 1862.	2940. DANIEL SPINK, of Spaxton, near Bridgewater, in the County of Somerset, Esquire, for an invention for—"Improvements in the method of propelling ships and other vessels." <i>Letters Patent sealed.</i>
ANDREWS. 31st October 1862.	2941. ALFRED ANDREWS, of Birmingham, in the County of Warwick, Mechanic, for an invention for—"An improved tool for cutting and rasping pegs in boots and shoes." <i>Provisional protection only.</i>
GUBBINS. 31st October 1862.	2942. CHARLES GUBBINS, of York Place, Portman Square, in the County of Middlesex, Esquire, for an invention for—"Improvements in irons for ironing." <i>Letters Patent sealed.</i>
MORGAN. 31st October 1862.	2943. GEORGE HARGRAVE MORGAN, of Hereford, for an invention for—"Improved mechanical arrangements for raising and lowering bodies." <i>Provisional protection only.</i>
THOMSON. 31st October 1862.	2944. HENRY THOMSON, of Buckden, in the County of Huntingdon, Engineer, for an invention for—"Improvements in railway signals." <i>Provisional protection only.</i>
SINIBALDI. 31st October 1862.	2945. MARIE CELESTE DE CASTERAS SINIBALDI, of No. 1, South Villas, South Street, Greenwich, in the County of Kent, for an invention for—"Improvements in the manufacture of armour plates for ships, fortifications and forts, and in the manufacture of plates to be used in the construction and building of ships, and for other purposes, and for attaching copper or other like protective metal to the outside of metal plates for making copper bottoms or bottoms with a similar protection to iron ships." <i>Letters Patent sealed.</i>
SPEIGHT. 31st October 1862.	2946. GEORGE SPEIGHT, of 5, Saint John Street Road, Clerkenwell, in the County of Middlesex, Manufacturer, for an invention for—"An improvement in the manufacture of collars for men's wear." <i>Letters Patent sealed.</i>
WILLIAMS, MAXTON. 31st October 1862.	2947. HENRY WILLIAMS, and JOHN MAXTON, both of Broadway, in the Town and County of the Town of Nottingham, Lace Manufacturers, for an invention for—"Improvements in machinery or apparatus employed in the manufacture of lace or trimmings made on bobbin net or twist lace machines." <i>Provisional protection only.</i>
GIBSON. HALL. DAVISON. 31st October 1862.	2948. THOMAS GIBSON, of Berwick-upon-Tweed, Watchmaker, THOMAS HALL, of Gateshead, in the county of Durham, Gentleman, and THOMAS DAVISON, of the same place, Broker, for an invention for—"Improvements in railway breaks." <i>Letters Patent sealed.</i>
NEWTON. 31st October 1862.	2949. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements applicable to the carriages and beds of guns, mortars and other ordnance."— <i>A communication to him from abroad by William Judson, of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
SICKELS. 31st October 1862.	2950. FREDERICK ELSWORTHY SICKELS, of New York City, United States of America, but now residing at Bute Street, Brompton, in the County of Middlesex, Engineer, for an invention for—"Improvements in the means of steering and manœuvring ships or boats and in the apparatus connected therewith, which apparatus is also applicable for pumping and lifting weights." <i>Letters Patent sealed.</i>
MARSHALL. 31st October 1862.	2951. JAMES GARTH MARSHALL, of Leeds, in the County of York, Flax Spinner, for an invention for—"Improvements in the treatment of the straw of flax, hemp and other similar vegetable substances preparatory to spinning the fibre thereof." <i>Letters Patent sealed.</i>
JENKINS. 31st October 1862.	2952. WILLIAM JENKINS, of Troedy Rhiw, Merthyr Tydvil, in the County of Glamorgan, Viewer, for an invention for—"An improved mode of and apparatus for cutting coal." <i>Letters Patent sealed.</i>

ANDERTON. 31st October 1862.	2953. JAMES JOHN ANDERTON, of St. James Street, Northampton, in the county of Northampton, Currier, for an invention for—"A new or improved mode and means for the production of leather from waste leather scraps, and also for producing from such waste leather scraps in combination with india-rubber, gutta-percha or other like substance a new material to be used as leather and for other purposes." <i>Provisional protection only.</i>
TARR. FARR. 1st November 1862.	2954. WILLIAM TARR, of 112, York Street, Oxford Street, Manchester, and ENOCH FARR, of 40, Cavendish Street, Oxford Street, Manchester, both in the County of Lancashire, for an invention for—"An improvement in pianofortes." <i>Provisional protection only.</i>
TAYLOR. 1st November 1862.	2955. JOSEPH WALTER TAYLOR, of Newsome, near Huddersfield, in the County of York, Manufacturer, for an invention for—"Improvements in scouring or cleansing woollen, worsted and cotton fabrics and other fibrous materials, and in the means or apparatus employed therein." <i>Letters Patent sealed.</i>
MERRYWEATHER. MERRYWEATHER. FIELD. 1st November 1862.	2956. MOSES MERRYWEATHER, RICHARD MOSES MERRYWEATHER, both of Long Acre, London, Fire-engine Manufacturers, and EDWARD FIELD, of Buckingham Street, Adelphi, London, Consulting Engineer, for an invention for—"Improvements in steam fire-engines, parts of which improvements are applicable also to other purposes." <i>Letters Patent sealed.</i>
HASELTINE. 1st November 1862.	2957. GEORGE HASELTINE, of the "International Patent Office," No. 100, Fleet Street, in the City of London, for an invention for—"Improvements in coffins or burial cases."— <i>A communication to him from abroad by George Scollay, M. D., of St. Louis, Missouri, United States of America.</i> <i>Letters Patent sealed.</i>
STEVENS. 1st November 1862.	2958. EBENEZER STEVENS, of No. 15, Hunter Street, Brunswick Square, in the County of Middlesex, for an invention for—"Improvements in iron shelves, stands and racks." <i>Letters Patent sealed.</i>
NEWTON. 1st November 1862.	2959. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus for drying grain and other substances."— <i>A communication to him from abroad by Peter Clopper Schuyler, of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
HOPKINS. 1st November 1862.	2960. EVANS HOPKINS, of Clarendon Gardens, Maida Hill, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of and apparatus for treating ores for the extraction of metals therefrom." <i>Provisional protection only.</i>
WINTER. 1st November 1862.	2961. JAMES WINTER, the younger, of Wardour Street, Soho, in the County of Middlesex, for an invention for—"An improved safety tap or cock applicable to gas-burners, gas pipes and vessels containing gas, also water pipes, steam pipes and vessels containing inflammable and other liquids, compressed air and spirituous liquors." <i>Letters Patent sealed.</i>
TUSSAUD. 3rd November 1862.	2962. FELIX TUSSAUD, of Paris, France, but temporarily of No. 105, Marylebone Road, in the County of Middlesex, Engineer, for an invention for—"An improved machine for cutting metal, also applicable to cutting other substances." <i>Letters Patent sealed.</i>
MUSGRAVE. 3rd November 1862.	2963. JAMES MUSGRAVE, of the Globe Iron Works, Bolton-le-Moors, in the County of Lancaster, for an invention for—"Improvements in the valves of steam-hammers and steam, hydraulic and gas engines." <i>Letters Patent sealed.</i>
SHIELD. 3rd November 1862.	2964. CLIFTON SHIELD, of Newcastle-upon-Tyne, Engineer, for an invention for—"Improvements in the manufacture of malleable cast iron." <i>Provisional protection only.</i>
GONES. 3rd November 1862.	2965. LOUIS GONES, of No. 15, Passage des Petites Ecuries, Paris, France, Merchant Tailor, for an invention for—"A seat or chair forming also a travelling bag for the use of travellers by rail or other way." <i>Letters Patent sealed.</i>
TRACHSEL. CLAYTON. 3rd November 1862.	2966. FREDERICK TRACHSEL, Chemical Engineer, and THOMAS CLAYTON, Machinist, both of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for obtaining light, heat and ventilation, parts of which improvements are also applicable to other purposes." <i>Letters Patent sealed.</i>

HOLLINS. 3rd November 1862.	2967. GEORGE HOLLINS, of the City of Manchester, in the County of Lancaster Currier and Strap Manufacturer, for an invention for—"Improvements in the manufacture of straps or belts for machinery." <i>Provisional protection only.</i>
HUMPHRYS. 3rd November 1862.	2968. EDWARD HUMPHRYS, of Deptford, in the County of Kent, for an invention for—"Improvements in the construction of centrifugal pumps." <i>Letters Patent sealed.</i>
CLARK. 3rd November 1862.	2969. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in castors and in the manufacture of the same."— <i>A communication to him from abroad by Madame Ursule Antoinette Chapelon Burdet, of Rue Richepanse, and August Pinaire, of Rue de la Perle, both in Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
CLARK. 3rd November 1862.	2970. THOMAS OFFEN CLARK, of Clapham Common, in the County of Surrey Upholsterer, for an invention for—"An improved portable spring bottom bedstead."— <i>A communication to him from abroad by Joseph Moiroux, of Rue St. Elizabeth, Lyons, France.</i> <i>Letters Patent sealed.</i>
SCATTERGOOD. 3rd November 1862.	2971. DANIEL SCATTERGOOD, of the Town and County of the Town of Nottingham, Machinist, for an invention for—"Improvements in circular frames for the manufacture of looped fabrics." <i>Letters Patent sealed.</i>
CHEVERON. EICHENBERG. 3rd November 1862.	2972. PIERRE FRANCOIS CLÉO CHEVERON, and EUGÈNE CACHUS EICHENBERG, of Paris, Boulevard Rochechouart, 30 bis, Engineers, for an invention for—"A new method of and apparatus for weaving Indian shawls and other figured tissues." <i>Provisional protection only.</i>
BROOMAN. 3rd November 1862.	2973. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in machinery for moulding and compressing artificial fuel, peat, bricks, tiles and other substances."— <i>A communication to him from abroad by Jean Baptiste Defrasne, of La Villette, Paris, France.</i> <i>Letters Patent sealed.</i>
STALLARD. 3rd November 1862.	2974. WILLIAM HENRY STALLARD, of Mark Lane, in the City of London, Merchant, for an invention for—"Improvements in umbrellas and parasols." <i>Letters Patent sealed.</i>
FRANCIS. 4th November 1862.	2975. JOHN BLINSTON FRANCIS, of Hullard Hall Lane, Stretford, near the City of Manchester, Cabinet Maker, for an invention for—"Improvements in apparatus for raising and lowering window-blinds, maps and other articles, and for retaining them in position." <i>Provisional protection only.</i>
LEFEBVRE. 4th November 1862.	2976. JULES LEFEBVRE, of 54, Rue des Tournelles, Paris, in the Empire of France, Architect, for an invention for—"A new or improved instrument for indicating angles or variations of level, and for measuring horizontal and vertical distances." <i>Letters Patent sealed.</i>
DURAND. 4th November 1862.	2977. FRANÇOIS DURAND, of Paris, France, Mechanical Engineer, for an invention for—"An improved cotton gin." <i>Letters Patent sealed.</i>
McKEAN. GREENALL. 4th November 1862.	2978. JOHN McKEAN, of Walmer Bridge Mills, near Preston, in the County Palatine of Lancaster, Manufacturer, and THOMAS GREENALL, of the City of Manchester, Flour Factor, for an invention for—"Improvements in sizing or dressing yarns or textile materials." <i>Letters Patent sealed.</i>
JOHNSON. 4th November 1862.	2979. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in hanging, arranging and operating ordnance."— <i>A communication to him from abroad by John Ridgway, of Boston, in the County of Suffolk, and State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
LOGAN. 4th November 1862.	2980. THOMAS LOGAN, of Kensington, in the County of Middlesex, Gentleman, for an invention for—"An improved kaleidoscope." <i>Provisional protection only.</i>
PLACE. 4th November 1862.	2981. JOSEPH PLACE, of Over Darwen, in the County of Lancaster, Spinner and Manufacturer, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>

REUTER. 4th November 1862.	2982. PETER WILLIAM REUTER, of Buckland Crescent, St. John's Wood, in the County of Middlesex, Merchant, for an invention for—"Improvements in dyeing."— <i>A communication to him from abroad by Edward Reuter, of Paris, in the Empire of France, Color Manufacturer.</i> <i>Letters Patent sealed.</i>
HUNTLEY. 4th November 1862.	2983. THOMAS HUNTLEY, of Manchester, for an invention for—"Improvements in kitcheners and kitchen ranges, and in cooking and bath heating apparatuses." <i>Letters Patent sealed.</i>
BROOMAN. 4th November 1862.	2984. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of fringes, and in machinery employed therein."— <i>A communication to him from abroad by Barthelemy Donnet, of Paris, France.</i> <i>Letters Patent sealed.</i>
SHIRT. BRIGGS. 4th November 1862.	2985. JOSEPH SHIRT, of Tamworth, in the County of Stafford, Paper Maker, and CHARLES BRIGGS, of Alders Mill, Tamworth, aforesaid, Paper Manufacturer, for an invention for—"Improvements in apparatus for condensing the steam of high pressure steam-engines." <i>Letters Patent sealed.</i>
LÜDEKE. 4th November 1862.	2986. JOHANN ERNST FRIEDRICH LÜDEKE, of Marke, in the Kingdom of Hanover, for an invention for—"Improvements in magneto-electric apparatus for obtaining and applying motive-power." <i>Provisional protection only.</i>
DEWIES. 4th November 1862.	2987. AUGUST CONRAD DEWIES, of Nicholl Square, Aldersgate Street, in the City of London, for an invention for—"An improved lubricator." <i>Letters Patent sealed.</i>
WALL. 4th November 1862.	2988. ARTHUR WALL, of Canton Street, East India Road, Poplar, in the County of Middlesex, for an invention for—"Improved processes for purifying lead and extracting and separating silver therefrom, and in machinery for those purposes." <i>Letters Patent sealed.</i>
THOMAS. 5th November 1862.	2989. JEAN BAPTISTE THOMAS, of Paris, in the Empire of France, for an invention for—"Improvements in apparatus for working and controlling railway signal discs." <i>Provisional protection only.</i>
ROBOTHAM. 5th November 1862.	2990. SAMUEL ROBOTHAM, of Birmingham, in the County of Warwick, Wire Weaver, for an invention for—"Improvements in carriage bodies." <i>Provisional protection only.</i>
BANWELL. 5th November 1862.	2991. JOHN BANWELL, of Watlington, in the County of Oxford, for an invention for—"Improvements in apparatus for punching by means of hydraulic pressure." <i>Provisional protection only.</i>
JOHNSON. 5th November 1862.	2992. WILLIAM JOHNSON, of 166, Buchanan Street, Glasgow, in the County of Lanark, North Britain, Civil Engineer, for an invention for—"Improvements in the arrangement and construction of pillars or standards for supporting telegraph wires."— <i>A communication to him from abroad by Hugh Ross McKenzie, of Port Elizabeth, in the Colony of the Cape of Good Hope.</i> <i>Provisional protection only.</i>
BROOMAN. 5th November 1862.	2993. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in commodes or water-closets."— <i>A communication to him from abroad by Jean Louis De Waroquier, of Paris, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 5th November 1862.	2994. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in taps or cocks."— <i>A communication to him from abroad by Jean Louis De Waroquier, of Paris, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 5th November 1862.	2995. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in spinning frames."— <i>A communication to him from abroad by Frederic Hetzel, of Bâle, Switzerland.</i> <i>Letters Patent sealed.</i>
SHIELD. 5th November 1862.	2996. CLIFTON SHIELD, of Newcastle-upon-Tyne, Engineer, for an invention for—"Improvements in the manufacture of malleable cast-iron." <i>Provisional protection only.</i>

NEWTON. 5th November 1862.	2997. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"A new process of obtaining printing surfaces, dies, and substitutes for photographic negatives."— <i>A communication to him from abroad by Paul Schulze and Frederick William Billing, both of Brooklyn, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
PETRIE. TEAL. 5th November 1862.	2998. JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Ironmonger, and JAMES TEAL, of Sowerby, in the County of York, Mechanic, for an invention for—"Improvements in machinery or apparatus for washing wool and other fibrous materials." <i>Letters Patent sealed.</i>
TRAGHEIM. 5th November 1862.	2999. SAMUEL TRAGHEIM, of No. 83, Kirkgate, Leith, for an invention for—"Improvements in treating hemp preparatory to its being spun." <i>Provisional protection NOT granted.</i>
HILL. 5th November 1862.	3000. DANIEL HILL, of 3, Camden Road, Holloway, N., in the County of Middlesex, for an invention for—"Improvements in apparatus for stamping or marking and counting bank notes and other documents." <i>Provisional protection only.</i>
LAVEISSIERE. 5th November 1862.	3001. JULES JOSEPH LAVEISSIERE, of No. 58, Rue de la Verrerie, Paris, Merchant, for an invention for—"Improvements in the manufacture of tubes of copper or other metals or alloys." <i>Letters Patent sealed.</i>
BROWN. 5th November 1862.	3002. THOMAS BROWN, of 85, Wood Street, Cheapside, in the City of London, for an invention for—"Improvements in machinery for surfacing fibrous materials."— <i>A communication to him from abroad by William Fuzzard, a person resident at the Town of Malden, in the State of Massachusetts, in the United States of America.</i> <i>Letters Patent sealed.</i>
GOODYEAR. 6th November 1862.	3003. FREDERICK GOODYEAR, of Old Change, St. Paul's, in the City of London, for an invention for—"A machine for plaiting straw and such like material."— <i>A communication to him from abroad by Ambrose Claraz, of Fribourg, Switzerland.</i> <i>Provisional protection only.</i>
GEDGE. 6th November 1862.	3004. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved lift and force pump."— <i>A communication to him from abroad by Joseph Schlessinger and Michel Antoine Westermann, both of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
MONIN. 6th November 1862.	3005. BENOIT THEODORE ULYSSE MONIN, of No. 60, Boulevard de Strasbourg, Paris, in the Empire of France, Merchant, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
GRIFFIN. 6th November 1862.	3006. HENRY GRIFFIN, of Silvertown, in the County of Essex, Engineer, in the employment of Messieurs Silver and Company, for an invention for—"An improved method of securing india-rubber cylinders or rollers and blocks upon spindles and other bodies on which they are to be mounted." <i>Letters Patent sealed.</i>
HUTCHINSON. 6th November 1862.	3007. WILLIAM NELSON HUTCHINSON, of Plymouth, in the County of Devon, Major General in Her Majesty's Army, for an invention for—"Improvements in apparatus or means for protecting the screw of steamers from becoming entangled with or fouled by ropes or other bodies." <i>Letters Patent sealed.</i>
FULLARTON. 6th November 1862.	3008. JOHN ALEXANDER FULLARTON, of Manchester, in the County of Lancaster, Iron Merchant, for an invention for—"Improvements in machinery or apparatus for painting or coating hoop iron and other strips, bars, rods or other such articles of metal, wood or other material." <i>Letters Patent sealed.</i>
MENNONS. 7th November 1862.	3009. MARC ANTOINE FRANÇOIS MENNONS, of Paris, in the Empire of France, for an invention for—"Improvements in the manufacture of paper."— <i>A communication from Eugène Marie Mathieu-Plessy, a person resident at No. 19, Rue Guénégaud, Paris, in France.</i> <i>Provisional protection only.</i>
HEYL. 7th November 1862.	3010. CHARLES OTTO HEYL, of Berlin, in the Kingdom of Prussia, Manufacturer, for an invention for—"Improved means and machinery to be used for the purpose of extracting fatty oils from oleaginous seeds and for purifying the said oils, and for extracting the agents employed from the exhausted residue." <i>Letters Patent sealed.</i>

- CLARK.
7th November 1862. 3011. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means of utilizing refuse and azoted matters of commerce."—*A communication to him from abroad by Messieurs Amédée Gelis and Lucien Dusart, Chemists, both of 29, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- NEWTON.
7th November 1862. 3012. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in repeating fire-arms."—*A communication to him from abroad by William Albert Shepard, of New York City, United States of America.*
Provisional protection only.
- GREENWOOD.
SCHOFIELD.
7th November 1862. 3013. THOMAS GREENWOOD, and JAMES SCHOFIELD, of Rochdale, in the County of Lancaster, Machine Makers, for an invention for—"Improvements in mules for spinning and doubling."
Letters Patent sealed.
- JOHNSON.
7th November 1862. 3014. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in decorticating grain and seeds."—*A communication to him from abroad by Jules Lemoine and Louis Joseph Maximilian Chollet, both of Paris, in the Empire of France.*
Provisional protection only.
- GARDNER.
8th November 1862. 3015. HENRY GARDNER, of Chaple Town, Leeds, in the County of York, Engineer, for an invention for—"Improvements in machinery for treating flax and other fibrous materials preparatory for manufacturing purposes, the said machinery being also applicable for pressing, rolling, grinding, pulverizing or mixing various other substances."
Letters Patent sealed.
- KILSHAW.
LORD.
8th November 1862. 3016. HENRY KILSHAW, of Haslingden, in the County of Lancaster, Spinner, and EDWARD LORD, of Rawtenstall, in the same County, Mechanic, for an invention for—"Certain improvements in power looms for weaving."
Letters Patent sealed.
- OGSTON.
8th November 1862. 3017. GEORGE HENRY OGSTON, of Mincing Lane, in the City of London, Consulting Chemist, for an invention for—"Improvements in treating nitrous acid and nitric oxide in order to convert them into nitric acid."
Letters Patent sealed.
- SPRUYT.
8th November 1862. 3018. CHARLES WILLIAM SPRUYT, of New Broad Street, in the City of London, Civil Engineer, for an invention for—"Improvements in rails for railways."
Letters Patent sealed.
- SIMPSON.
8th November 1862. 3019. WILLIAM SIMPSON, of Liverpool, in the County of Lancaster, Sorter in the General Post Office, Liverpool, aforesaid, for an invention for—"Improvements applicable to letter-boxes and other like receptacles."
Letters Patent sealed.
- LOCKE.
CLARK.
8th November 1862. 3020. GEORGE LEWIS LOCKE, of Hampstead New Road, and JAMES CLARK, of High Street, both in Kentish Town, in the County of Middlesex, Pianoforte Makers, for an invention for—"Improvements in the motive mechanism of pianofortes."
Provisional protection only.
- SONSTADT.
8th November 1862. 3021. EDWARD SONSTADT, of No. 3, Stewart Place, Alfred Street South, Nottingham, for an invention for—"Improvements in the manufacture of the metal magnesium."
Letters Patent sealed.
- KENT.
GRIFFITHS.
8th November 1862. 3022. GEORGE KENT, of High Holborn, in the County of Middlesex, and EDWARD PAIGE GRIFFITHS, of High Street, Camberwell, in the County of Surrey, for an invention for—"Improvements in apparatus for reducing cocoa berries and other vegetable and animal substances to powder or pulp, and for mashing potatoes."
Letters Patent sealed.
- MELLODEW.
MELLODEW.
KESSELMAYER.
8th November 1862. 3023. JAMES MELLODEW, and THOMAS MELLODEW, of Moorside Mills, Oldham, in the County of Lancaster, Manufacturers, and CHARLES WILLIAM KESSELMAYER, of Manchester, in the said County, Warehousemen, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
- SANBORN.
10th November 1862. 3024. GEORGE HENRY SANBORN, of No. 99, Cheapside, in the City of London, Merchant, for an invention for—"An improved wringing machine."
Provisional protection only.
- CONNELL.
10th November 1862. 3025. CHARLES CONNELL, of Glasgow, in the County of Lanark, North Britain, Ship Builder, for an invention for—"Improvements in constructing ships or vessels."
Provisional protection only.

WHITAKER. 10th November 1862.	3026. JOHN WHITAKER, of Leigh, in the County of Lancaster, Agricultural Implement Maker, for an invention for—"Improvements in machinery or apparatus for pulping, stripping and slicing edible roots for cattle." <i>Letters Patent sealed.</i>
LAVOINE. 10th November 1862.	3027. JEAN BAPTISTE LAVOINE, Architect, residing at St. Pierre, near Calais, Empire of France, for an invention for—"A kitchen range adapted for cooking, warming the apartments and generating gas, for the use of private families, hotels, or gentlemen's country seats." <i>Letters Patent sealed.</i>
BERRISFORD. AINSWORTH. 10th November 1862.	3028. SAMUEL BERRISFORD, of Stockport, in the County of Chester, Machinist, and WILLIAM AINSWORTH, of the same place, Overlooker, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
HOLMES. 10th November 1862.	3029. RICHARD RIVINGTON HOLMES, of the British Museum, in the County of Middlesex, for an invention for—"Improvements in folding chairs and seats." <i>Letters Patent sealed.</i>
CHAPMAN. 10th November 1862.	3030. ROBERT JAMES CHAPMAN, of South Street, Camberwell, in the County of Surrey, for an invention for—"Improvements in the manufacture of glass and emery paper or cloth." <i>Provisional protection only.</i>
SHANKS. 10th November 1862.	3031. JAMES SHANKS, of Arbroath, in the County of Forfar, North Britain, Machinist, for an invention for—"Improvements in mowing-machines." <i>Letters Patent sealed.</i>
NEWTON. 10th November 1862.	3032. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the treatment of maize or Indian corn preparatory to grinding the same into flour." —A communication to him from abroad by Victor Pierre Célestin Baud, of Rue St. Sebastien, Paris, in the Empire of France. <i>Letters Patent sealed.</i>
EASTON. AMOS. 10th November 1862.	3033. JAMES EASTON, junior, Engineer, and JAMES CHAPMAN AMOS, Engineer, both of the Grove, Southwark, in the County of Surrey, for an invention for—"Improved machinery for sawing wood." <i>Letters Patent sealed.</i>
GHISLIN. 10th November 1862.	3034. THOMAS GOULSTON GHISLIN, of Hatton Garden, in the City of London, Importer, for an invention for—"Improvements in the treatment of certain foreign plants and in the application of the fibres derived therefrom." <i>Letters Patent sealed.</i>
LYSTER. 10th November 1862.	3035. GEORGE FOSBERY LYSTER, Engineer, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in apparatus for elevating or otherwise transmitting grain and other granular substances." <i>Letters Patent sealed.</i>
DAVIES. 11th November 1862.	3036. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction of crinoline skirts."—A communication to him from abroad by Henri Alexandre Révillon, of Paris, France. <i>Provisional protection only.</i>
BOOTH. BOOTH. BOOTH. 11th November 1862.	3037. WILLIAM BOOTH, JOSEPH BOOTH, and THOMAS BOOTH, all of Oldham, in the County of Lancaster, Millwrights, for an invention for—"Improvements in rotary engines." <i>Letters Patent sealed.</i>
PALLISER. 11th November 1862.	3038. WILLIAM PALLISER, Captain of Her Majesty's 18th Hussars, and Brigade Major of Cavalry, of the City of Dublin, for an invention for—"Improvements in the construction of ordnance and in the projectiles to be used therewith." <i>Letters Patent sealed.</i>
BURRIDGE. 11th November 1862.	3039. HENRY BURRIDGE, of No. 15, Grenville Street, Brunswick Square, in the County of Middlesex, Builder, for an invention for—"Improvements in apparatus for extinguishing fires, applicable also for ventilating and fumigating, and for supplying, delivering and distributing fluids." <i>Letters Patent sealed.</i>
PARKES. 11th November 1862.	3040. JOHN JOSEPH PARKES, of London Street, Paddington, in the County of Middlesex, Bellhanger and Gas Engineer, for an invention for—"Improvements in lever bell-pulls." <i>Letters Patent sealed.</i>

MARRIOTT. HOLROYD. 11th November 1862.	3041. EDWARD MARRIOTT, of Miles Platting, Manchester, in the County of Lancaster, Manufacturing Chemist, and SAMUEL HOLROYD, of Manchester, aforesaid, Manufacturing Chemist, for an invention for—"Improvements in the purification of gas and in obtaining certain useful products therefrom." <i>Letters Patent sealed.</i>
HARPER. 12th November 1862.	3042. WILLIAM HARPER, of Sharples, near Bolton-le-Moors, in the County of Lancaster, Bleacher, for an invention for—"Improvements in the construction of steam-boiler and other furnaces." <i>Provisional protection only.</i>
GALLOWAY. GALLOWAY. 12th November 1862.	3043. WILLIAM GALLOWAY, and JOHN GALLOWAY, both of Manchester, in the County of Lancaster, Engineers for an invention for—"Improvements in machinery or apparatus for cutting, shaping, punching and compressing metals." <i>Letters Patent sealed.</i>
SMITH. 12th November 1862.	3044. GEORGE SMITH, of Phoenix Chemical Works, in Cobden Street, Stewart's Lane, Battersea, in the County of Surrey, Practical Chemist, for an invention for—"Certain improvements in obtaining colouring matter." <i>Provisional protection only.</i>
DOBSON. 12th November 1862.	3045. WILLIAM DOBSON, of the Firm of Messieurs William and Frederick Dobson, of the Town and County of the Town of Nottingham, Lace Dressers, for an invention for—"Improvements in apparatus used in dressing lace or other fabrics." <i>Letters Patent sealed; no specification filed.</i>
SOCIN. 12th November 1862.	3046. CHRISTOPH SOCIN, of the Firm of Messieurs Wahl and Socin, of Bâle, in the Republic of Switzerland, and of No. 2, Thavies Inn, Holborn, in the City of London, for an invention for—"Improvements in looms for weaving ribbons." <i>Letters Patent sealed.</i>
BRADFORD. 12th November 1862.	3047. THOMAS BRADFORD, of the Cathedral Steps, Manchester, in the County of Lancaster, and Fleet Street, London, Washing-machine Manufacturer, for an invention for—"An improved clothes wringer and mangle, applicable to pressing the liquid from clothes in the process of washing and other pressing purposes." <i>Letters Patent sealed.</i>
CLOWES. 12th November 1862.	3048. FREDERIC JOSEPH CLOWES, of 92, Southwark Bridge Road, in the County of Surrey, Engineer, for an invention for—"An improvement in obtaining rotary motion." <i>Letters Patent sealed.</i>
FAULDING. 12th November 1862.	3049. JOSEPH FAULDING, of No. 340, Euston Road, in the County of Middlesex, for an invention for—"Improvements in locomotive engines." <i>Letters Patent sealed.</i>
THOMSON. 12th November 1862.	3050. JAMES HILL THOMSON, of Glenboig, in the County of Lanark, North Britain, Brick Maker, for an invention for—"Improvements in machinery or apparatus for finishing and dressing tiles and similar articles of clay." <i>Provisional protection only.</i>
DUNTZE. 12th November 1862.	3051. JOHN ALEXANDER DUNTZE, of Woolwich Common, in the County of Kent, Admiral in Her Majesty's Fleet, for an invention for—"An improved apparatus for communicating rotary motion to shafts or axles for various purposes." —A communication to him from abroad by Edward David Ashe, of Quebec, Lower Canada, Lieutenant in Her Majesty's Royal Navy. <i>Letters Patent sealed.</i>
GRAEMIGER. 12th November 1862.	3052. ALOISE GRAEMIGER, of Wallenstadt, Canton of St. Gall, Switzerland, Manufacturer, for an invention for—"Improvements in looms." <i>Letters Patent sealed.</i>
TWADDELL. 13th November 1862.	3053. ALEXANDER TWADDELL, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improved arrangements for dressing or sizing warps." <i>Letters Patent sealed.</i>
RENDEL. 13th November 1862.	3054. GEORGE WIGHTWICK RENDEL, of Newcastle-on-Tyne, in the County of Northumberland, Civil Engineer, for an invention for—"An improved method of strengthening and hardening cannon made wholly or partially of carbonized iron or steel, or the barrels or other parts thereof." <i>Provisional protection only.</i>
RENDEL. 13th November 1862.	3055. GEORGE WIGHTWICK RENDEL, of Newcastle-on-Tyne, in the County of Northumberland, Civil Engineer, for an invention for—"An improved method of strengthening armour plates made of carbonized iron or steel." <i>Letters Patent sealed; no specification filed.</i>

EASTWOOD. EASTWOOD. 13th November 1862.	3056. THOMAS CHARLES EASTWOOD, and JOHN EASTWOOD, junior, of Marshall Mill, Bradford, in the County of York, Machine Wool Combers, for an invention for—"Improvements in machinery or apparatus for combing wool or other fibrous substances." <i>Provisional protection only.</i>
SLACK. 13th November 1862.	3057. JAMES SLACK, of the City of Manchester, in the County of Lancaster, Water Filter Manufacturer, for an invention for—"Improvements in nursery swings and cots." <i>Letters Patent sealed.</i>
DEFRIES. 13th November 1862.	3058. MOSS DEFRIES, of the Firm of Jonas Defries and Sons, of Houndsditch, in the City of London, Manufacturer, for an invention for—"Improvements in the manufacture or construction of lamps." <i>Letters Patent sealed.</i>
GEDGE. 13th November 1862.	3059. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved machine working by compression and expansion of air."— <i>A communication to him from abroad by Jules Bonnard, of Paris, France.</i> <i>Provisional protection only.</i>
SYKES. SYKES. 13th November 1862.	3060. REUBEN SYKES, and PHILEMON SYKES, of Huddersfield, in the County of York, Machine Makers, for an invention for—"Improvements in rings used in machines for the continuous spinning, doubling and twisting of wool and other fibrous materials." <i>Letters Patent sealed.</i>
RITCHIE. 13th November 1862.	3061. EDWARD SAMUEL RITCHIE, of Brookline, in the State of Massachusetts, of the United States of America, for an invention for—"Having reference to the mariner's compass." <i>Complete specification; Letters Patent sealed.</i>
DAVIES. 13th November 1862.	3062. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 28, St. Enoch Square, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in preserving provisions."— <i>A communication to him from abroad by Alfred Henry Rémond, of Paris, France.</i> <i>Provisional protection only.</i>
BROOMAN. 13th November 1862.	3063. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved means or apparatus for shunting trains."— <i>A communication to him from abroad by Jean Antoine Lanzirotti and Paul Gemelli, both of Paris, France.</i> <i>Letters Patent sealed.</i>
JOSEPH. DANKS. 13th November 1862.	3064. EMANUEL JOSEPH, of 134, Blackfriars Road, in the County of Surrey, and JOSHUA DANKS, of 56, Webber Row, Waterloo Road, in the same County, for an invention for—"Improvements in the manufacture of brushes, brooms and mats." <i>Provisional protection only.</i>
KOPISCH. 13th November 1862.	3065. CARL GOTTLIEB KOPISCH, of Bishopsgate Street Without, Merchant, for an invention for—"Improved apparatus for preparing, steering and ventilating vessels." <i>Letters Patent sealed.</i>
CATHELS. 14th November 1862.	3066. EDMUND SMALL CATHELS, of Shrewsbury, in the County of Shropshire, for an invention for—"Improvements in apparatus used in the manufacture of gas." <i>Letters Patent sealed.</i>
WILSON. 14th November 1862.	3067. EDWARD BROWN WILSON, of No. 5, Parliament Street, Westminster, in the County of Middlesex, Engineer, for an invention for—"Improvements in the method of conveying air, steam, gases and fluids to oscillating or vibrating cylinders and vessels, and in the apparatus employed therein." <i>Provisional protection only.</i>
ANDREW. 14th November 1862.	3068. WILLIAM HENRY ANDREW, of Sheffield, in the County of York, Manufacturer, for an invention for—"An improvement in scissors and shears." <i>Letters Patent sealed.</i>
ROBERTS. 14th November 1862.	3069. SAMUEL ROBERTS, of Sheffield, in the County of York, Manufacturer, for an invention for—"An improvement in frames for containing stoppered bottles and jars." <i>Provisional protection only.</i>
MORGAN. PARKINSON. 14th November 1862.	3070. HUGH MORGAN, of Liverpool, in the County of Lancaster, Iron Turner, and JOHN PARKINSON, of the same place, Machine Fitter, for an invention for—"Improvements applicable to weighing machines, parts of which may be used to measure liquids." <i>Provisional protection only.</i>

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| <p>CASSAIGNES.
14th November 1862.</p> <p>BINKS.
15th November 1862.</p> <p>CLEGG.
SLATER.
15th November 1862.</p> <p>CROC.
15th November 1862.</p> <p>KIRBY.
15th November 1862.</p> <p>RIMMER.
15th November 1862.</p> <p>ILLINGWORTH.
ILLINGWORTH.
15th November 1862.</p> <p>SUGDEN.
BRIGGS.
LOCKWOOD.
15th November 1862.</p> <p>DURU.
15th November 1862.</p> <p>WHITBURN.
15th November 1862.</p> <p>JAMES.
15th November 1862.</p> <p>WILSON.
15th November 1862.</p> <p>GRAY.
15th November 1862.</p> <p>PALMER.
15th November 1862.</p> <p>BINKS.
17th November 1862.</p> <p>RAHLES.
17th November 1862.</p> <p>DOBSON.
17th November 1862.</p> <p>THOMSON.
17th November 1862.</p> | <p>3071. VICTOR JULIEN CASSAIGNES, of Gavundun, Canton de Montflanguin, in the Empire of France, for an invention for—"Improvements in stereoscopes."
<i>Provisional protection only.</i></p> <p>3072. CHRISTOPHER BINKS, of Parliament Street, Westminster, for an invention for—"Improved methods of and apparatus for treating linseed and other oils and fats."
<i>Provisional protection only.</i></p> <p>3073. JOHN SCHOFIELD CLEGG, of Oldham, in the County of Lancaster, and JAMES SLATER, of the same place, Machinists, for an invention for—"Certain improvements in carding-engines."
<i>Provisional protection only.</i></p> <p>3074. LOUIS CROC, of Aubusson, in the Empire of France, Chemist, for an invention for—"An improved ink to be used for the purposes of electric telegraphic printing or marking."
<i>Letters Patent sealed.</i></p> <p>3075. EDWARD KIRBY, of Birmingham, in the County of Warwick, Merchant's Clerk, for an invention for—"A new or improved pulley for tightening the cords of window and other blinds."
<i>Letters Patent sealed.</i></p> <p>3076. JOHN RIMMER, of Liverpool, in the County of Lancaster, Coach Builder, for an invention for—"Improvements in hansom cabs."
<i>Provisional protection only.</i></p> <p>3077. ALFRED ILLINGWORTH, and HENRY ILLINGWORTH, both of Bradford, in the County of York, Spinners, for an invention for—"Improvements in washing wool and other fibres."
<i>Letters Patent sealed.</i></p> <p>3078. GEORGE SUGDEN, and JONAS BRIGGS, of Bradford, in the County of York, Spinners and Manufacturers, and JOHN LOCKWOOD, of the same place, Designer, for an invention for—"Improvements in means or apparatus for spinning wool, mohair, alpaca and other fibres."
<i>Provisional protection NOT granted.</i></p> <p>3079. EUGÈNE HIPPOLYTE DURU, of Poitiers, Town in the French Empire, Sculptor, for an invention for—"An improved motive-power engine."
<i>Provisional protection only.</i></p> <p>3080. HENRY BENNETT WHITBURN, of Orrell Colliery, in the County of Lancaster, for an invention for—"An improved method of purifying sand to be used in the manufacture of glass and for other purposes where silica is used."
<i>Provisional protection only.</i></p> <p>3081. WILLIAM HENRY JAMES, of Old Kent Road, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in steam-engines."
<i>Letters Patent sealed.</i></p> <p>3082. JAMES WILSON, of 2, Royal Exchange Buildings, London, Civil Engineer, for an invention for—"Improvements in hydraulic pumps."—<i>A communication to him from abroad by Jules Lecoq, of St. Quentin, France, Engineer.</i>
<i>Letters Patent sealed.</i></p> <p>3083. GEORGE GRAY, of Greenwich, in the County of Kent, for an invention for—"Improvements in the manufacture of wheels."
<i>Letters Patent sealed.</i></p> <p>3084. FITZMAURICE PALMER, of Northumberland Street, Strand, in the City of Westminster, Gentleman, for an invention for—"Improvements in projectiles."
<i>Letters Patent sealed.</i></p> <p>3085. CHRISTOPHER BINKS, of Parliament Street, Westminster, for an invention for—"Improved methods of obtaining oxygen and chlorine gases."
<i>Provisional protection only.</i></p> <p>3086. FERDINAND RAHLES, of Albert Street, Camden Road, in the County of Middlesex, Professor of Music, for an invention for—"Improvements in envelopes with the view to affording better security thereby."
<i>Provisional protection only.</i></p> <p>3087. WILLIAM DOBSON, of the Firm of Messieurs William and Frederick Dobson, of the Town and County of the Town of Nottingham, Lace Dressers, for an invention for—"Improvements in lace dressing frames employed in the dressing of lace or other fabrics."
<i>Letters Patent sealed.</i></p> <p>3088. DAVID THOMSON, of Grosvenor Road, in the County of Middlesex, for an invention for—"Improvements in screw cocks."
<i>Provisional protection only.</i></p> |
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WILLIAMSON. 17th November 1862.	3089. WELBURN WILLIAMSON, of 133, High Holborn, Mechanical Engineer, for an invention for—"Improvements in washing, wringing and mangling machines." <i>Letters Patent sealed.</i>
LITTLEBOY. 17th November 1862.	3090. CHARLES LITTLEBOY, of Straffan, in the County of Kildare, Ireland, Land Steward, for an invention for—"Improvements in implements for cultivating land." <i>Letters Patent sealed.</i>
RICHARDS. 17th November 1862.	3091. GEORGE RICHARDS, of Caroline Street, Bedford Square, in the County of Middlesex, Esquire, for an invention for—"Improvements in the construction of ordnance and fire-arms, and in the projectiles to be used therewith." <i>Provisional protection only.</i>
RAPHAEL. 18th November 1862.	3092. JAMES RAPHAEL, of Upper Fountain Place, City Road, in the County of Middlesex, Stick Manufacturer, for an invention for—"Improvements in umbrella, parasol, sunshade and walking sticks." <i>Provisional protection only.</i>
ARBÒS. 18th November 1862.	3093. JACQUES ARBÒS, of Barcelona, Town in the Spanish Kingdom, Doctor, for an invention for—"Improvements in generating certain gases for lighting and heating and in apparatus employed therein." <i>Letters Patent sealed.</i>
KLEIN. 18th November 1862.	3094. PHILIPPE HUBERT KLEIN, of Paris, Rue Dugrand Prieuré, No. 31, Engineer, for an invention for—"Improvements in machinery for turning or shaping metals or other substances." <i>Letters Patent sealed.</i>
BURNETT. 18th November 1862.	3095. WILLIAM HICKLING BURNETT, of Margaret Street, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the mode of working telegraphic lines, and in the instruments and apparatus employed for telegraphic purposes." <i>Letters Patent sealed; specification filed by order.</i>
HOUGHTON. 18th November 1862.	3096. EDWARD PIERCE HOUGHTON, of Liverpool, in the County of Lancaster, Wine and Spirit Merchant, for an invention for—"An improved method of applying breaks or apparatus for stopping or retarding railway carriages." <i>Letters Patent sealed.</i>
HARRISON. 18th November 1862.	3097. CHARLES WEIGHTMAN HARRISON, of Lorimer Road, Walworth, in the County of Surrey, Engineer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
NIELD. HOPKINSON. 18th November 1862.	3098. CHARLES NIELD, of Cheadle, in the County of Chester, Accountant, and JOHN HOPKINSON, of York Place, Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in fire alarms and indicators of temperature." <i>Letters Patent sealed.</i>
BROWN. 18th November 1862.	3099. ROBERT BROWN, of Birmingham, in the County of Warwick, Gentleman, for an invention for—"Improvements in warming and ventilating more especially applicable to buildings, carriages and ships, and in apparatus to be employed for that purpose." <i>Letters Patent sealed.</i>
THOMPSON. 18th November 1862.	3100. NATHAN THOMPSON, of 15, Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in apparatus for stopping bottles, jars and other vessels." <i>Letters Patent sealed.</i>
BECK. 18th November 1862.	3101. RICHARD BECK, of Peartree Cottage, Upper Holloway, in the County of Middlesex, for an invention for—"Improvements in reading-glasses and magnifiers to be simultaneously used with both eyes." <i>Letters Patent sealed.</i>
OXLEY. 18th November 1862.	3102. JAMES OXLEY, of Frome, in the County of Somerset, Brewer's Engineer, for an invention for—"Improvements in apparatus for separating liquids from substances." <i>Letters Patent sealed.</i>
LENZBERG. 18th November 1862.	3103. LOUIS LENZBERG, of No. 492, Oxford Street, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in the apparatus for raising and lowering venetian and other blinds." <i>Letters Patent sealed.</i>
MARMET. 19th November 1862.	3104. HENRY JOSEPH FERDINAND MARMET, of 2, Rue Sainte Appoline, Paris, France, and of 4, South Street, Finsbury, London, for an invention for—"Some improvements in the construction of lamps." <i>Letters Patent sealed.</i>
CHALMERS. 19th November 1862.	3105. JAMES CHALMERS, of 8, Knight's Place, Vauxhall, London, for an invention for—"Improvements in the use, combination and application of iron and timber as armour for vessels of war and fortifications." <i>Letters Patent sealed.</i>

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| <p>MUSHET.
19th November 1862.</p> <p>BROWN.
19th November 1862.</p> <p>ARBÒS.
19th November 1862.</p> <p>BROOMAN.
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19th November 1862.</p> <p>HARDMAN.
19th November 1862.</p> <p>BUCHHOLZ.
19th November 1862.</p> <p>HUTCHINGS.
20th November 1862.</p> <p>JEWSBURY.
20th November 1862.</p> <p>STEVENS.
20th November 1862.</p> <p>OLDHAM.
20th November 1862.</p> <p>FLETCHER.
20th November 1862.</p> <p>BROOMAN.
20th November 1862.</p> <p>CHILD.
20th November 1862.</p> | <p>3106. ROBERT MUSHET, of Coleford, in the County of Gloucester, Metallurgist, for an invention for—"An improvement or improvements in the manufacture of cast steel." <i>Letters Patent sealed.</i></p> <p>3107. SAMUEL SHAW BROWN, of Ellesmere Works, Runcorn, in the County of Chester, Manufacturer of Elastic Fabrics, for an invention for—"Improvements in the manufacture of elastic fabrics or garments." <i>Provisional protection only.</i></p> <p>3108. JACQUES ARBÒS, of Barcelona, Town in the Spanish Kingdom, Doctor, for an invention for—"Improvements in generating certain gases for obtaining motive-power and in the apparatus employed therein." <i>Letters Patent sealed.</i></p> <p>3109. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in tubular boilers, condensers and superheaters."—<i>A communication to him from abroad by Pierre Antoine Delafond and Joseph Corradi, of Marseilles, France.</i> <i>Letters Patent sealed.</i></p> <p>3110. CALEB KILNER, of No. 2, Grove Cottages, Albion Grove, Islington, in the County of Middlesex, and GEORGE KILNER, WILLIAM KILNER, and JOHN KILNER, of Thornhill Lees, near Dewsbury, in the County of York, Glass Manufacturers, for an invention for—"Improvements in means or apparatus for the manufacture of glass." <i>Letters Patent sealed.</i></p> <p>3111. JOHN BEEBY EDMONDSON, of the City of Manchester, Railway Ticket Manufacturer, JAMES CARSON, of the same place, Foreman, and JOHN BLAYLOCK, of the City of Carlisle, Machinist, for an invention for—"Improvements in machinery for printing, numbering and dating railway and other tickets." <i>Letters Patent sealed.</i></p> <p>3112. ROBERT HARDMAN, of Bolton-le-Moors, in the County of Lancaster, Foreman, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i></p> <p>3113. GUSTAV ADOLPH BUCHHOLZ, of Montague Place, Clapham Road, in the County of Surrey, Engineer, for an invention for—"An improved mode of manufacturing semolina and flour, and in apparatus to be employed in such manufactures." <i>Letters Patent sealed.</i></p> <p>3114. JOHN THOMAS HUTCHINGS, of Inkermann Terrace, Charlton, in the County of Kent, Boot and Shoe Manufacturer, for an invention for—"Improvements in the construction of waterproof boot and shoe soles." <i>Provisional protection only.</i></p> <p>3115. JOSEPH JEWSBURY, of Kinver, in the County of Stafford, Machinist, for an invention for—"An improvement or improvements in machines for raising weights, which improvement or improvements may also be applied to lathes." <i>Letters Patent sealed.</i></p> <p>3116. CHARLES STEVENS, of the Firm Stevens & Henderson, of 31, Charing Cross, in the County of Middlesex, Patent Agent, for an invention for—"An improved brick-making machine."—<i>A communication to him from abroad by Alois Milch, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i></p> <p>3117. GEORGE WILLIAM OLDHAM, of Moll Spring, Honley, near Huddersfield, in the County of York, Dyer, for an invention for—"Improvements in preparing and dyeing silk waste, flax, hemp, Indian or China grass or other similar fibrous substances." <i>Letters Patent sealed.</i></p> <p>3118. FIELDING FLETCHER, of Birmingham, in the County of Warwick, Plumber's Brass Founder, for an invention for—"Improvements in the arrangement of a vessel or vessels for the compression of air as applicable to lift or force pumps." <i>Letters Patent sealed.</i></p> <p>3119. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A method of and apparatus for indicating and recording the course of ships and vessels."—<i>A communication to him from abroad by Joseph Corradi, of Marseilles, France.</i> <i>Provisional protection only.</i></p> <p>3120. JOHN WRIGHT CHILD, of Halifax, in the County of York, Engineer, for an invention for—"Improvements in means and apparatus for working wool and other fibres." <i>Letters Patent sealed.</i></p> |
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SEILER. 20th November 1862.	3121. FREDERIC SEILER, of 166, Faubourg St. Martin, Paris, in the French Empire, and of 2, Thavies Inn, Holborn, in the City of London, Gentleman, for an invention for—"Improvements in motive-power engines, and in apparatus for conveying and distributing motive-power." <i>Letters Patent sealed.</i>
SEELEY. 20th November 1862.	3122. ROBERT BENTON SEELEY, of Mortlake, in the County of Surrey, for an invention for—"Improvements in inkstands." <i>Provisional protection only.</i>
HJERPE. HOLMGREN. SUNSTEDT. 20th November 1862.	3123. JOHAN WILHELM HJERPE, WILHELM HOLMGREN, and ADOLPHE VICTOR SUNSTEDT, all of Stockholm, in the Kingdom of Sweden, Merchants, for an invention for—"An improved composition or preparation of materials applicable for igniting matches." <i>Letters Patent sealed.</i>
BOTTOMLEY. 20th November 1862.	3124. WILLIAM BOTTOMLEY, of Bramley, in the Parish of Leeds, in the County of York, Machine Maker, for an invention for—"Improvements in machinery for stiffening woollen and other fabrics." <i>Letters Patent sealed.</i>
SINNOCK. 21st November 1862.	3125. WILLIAM SINNOCK, of Nicholas Lane, in the City of London, Mechanical Engineer, for an invention for—"Improvements in the treatment and combination of fibrous and other materials, and in the arrangement of apparatus for manufacturing same." <i>Provisional protection only.</i>
HADFIELD. ATTKINS. 21st November 1862.	3126. CHARLES HADFIELD, of Hadfield, in the County of Derby, and WILLIAM ALFRED ATTKINS, of the same place, for an invention for—"Improvements in compressing or dressing bricks and tiles and other materials, and in machinery or apparatus to be employed for such purposes." <i>Letters Patent sealed.</i>
TOWNSEND. 21st November 1862.	3127. JOSEPH TOWNSEND, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist, for an invention for—"Improvements in damping and preserving vegetable substances, and vegetable and other textile materials and fabrics." <i>Letters Patent sealed.</i>
NAPIER. RANKINE. 21st November 1862.	3128. JAMES ROBERT NAPIER, Engineer and Ship Builder, and WILLIAM JOHN MACQUORN RANKINE, Civil Engineer, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in boilers and valvular mechanism for steam-engines." <i>Provisional protection only.</i>
GEDGE. 21st November 1862.	3129. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved elastic fastening for gloves."— <i>A communication to him from abroad by Jean Louis Menjuc and Jean Fischer, both of No. 15, Passage des Petites Ecuries, Paris, France.</i> <i>Provisional protection only.</i>
SAUL. MORRIS. 21st November 1862.	3130. DAN SAUL, of Swinton, near the City of Manchester, Cotton Spinner, and MOSES MORRIS, of the same place, Manager, for an invention for—"Improvements in the manufacture of crinoline skirts and in the apparatus employed therein." <i>Provisional protection only.</i>
STEART. 21st November 1862.	3131. JAMES STEART, of No. 5, Saint James's Road, Blue Anchor Road, Bermondsey, in the County of Surrey, Manufacturer, for an invention for—"An improved method of extracting the fibre from zostera marina and other aquatic vegetable productions." <i>Provisional protection only.</i>
WALKER. 21st November 1862.	3132. THOMAS WALKER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in utilizing sewage matters and in the means or apparatus employed therein, part of which improvements is also applicable to raising and forcing other fluids." <i>Letters Patent sealed.</i>
WAGNER. 21st November 1862.	3133. CHARLES WAGNER, of Pforzheim, in the Grand Duchy of Baden, Farmer, for an invention for—"Improvements in strengthening, securing and rendering more durable the soles or bottoms of boots, shoes and other coverings for the feet."— <i>A communication from Franz Vestor, a person residing at Pforzheim, in the Grand Duchy of Baden, aforesaid.</i> <i>Letters Patent sealed.</i>
SWINBURNE. 21st November 1862.	3134. ROBERT WALTER SWINBURNE, of South Shields, in the County of Durham, Soda Manufacturer, for an invention for—"Improvements in the manufacture of soda." <i>Provisional protection only.</i>
SANDERSON. 21st November 1862.	3135. GEORGE GRANT SANDERSON, of Park Gate Iron Works, Rotherham, in the County of York, for an invention for—"Improvements in armour for fortifications and floating and other batteries." <i>Provisional protection only.</i>

TAYLOR. 21st November 1862.	3136. JOHN TAYLOR, junr., of Christchurch Road, Streatham, in the County of Surrey, for an invention for—"Improvements in the manufacture of tiles or moulded blocks for building purposes." <i>Letters Patent sealed.</i>
ORTH. 21st November 1862.	3137. CHARLES ANTON ORTH, of Church Road, De Beauvoir Square, in the County of Middlesex, Saddler, for an invention for—"Improvements in apparatus for obtaining and applying motive-power." <i>Letters Patent sealed.</i>
DEACON. DEACON. 21st November 1862.	3138. SOLOMON DEACON, of Alma Street, New North Road, in the County of Middlesex, Builder, and CHARLES DEACON, of Rushton Street, Saint John's Road, in the said County, Carpenter, for an invention for—"Improvements in tops, caps and windguards for chimneys, and in apparatus for cleaning the same." <i>Letters Patent sealed.</i>
SUTTON. 21st November 1862.	3139. AARON SUTTON, of Rue Boursault, Paris, in the Empire of France, Engineer, for an invention for—"An improved construction of time indicator for public vehicles and other uses." <i>Letters Patent sealed.</i>
GEDGE. 22nd November 1862.	3140. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved elliptical compass."— <i>A communication to him from abroad by Pierre Jacques Carmien, of Laze (Haute Saône), France.</i> <i>Letters Patent sealed.</i>
NETHERSOLE. BUCKLAND. 22nd November 1862.	3141. WILLIAM EDWARD NETHERSOLE, and CHARLES BUCKLAND, both of Swansea, in the County of Glamorgan, South Wales, Engineers, for an invention for—"Improved safety signals for fire-arm practice." <i>Letters Patent sealed.</i>
MISHORES. 22nd November 1862.	3142. MICHAEL MISHORES, of Newcastle Street, Whitechapel, in the County of Middlesex, for an invention for—"Improvements in the construction of handles for umbrella, parasol or other like sticks, from soft canes." <i>Provisional protection only.</i>
DE BERGUE. 22nd November 1862.	3143. CHARLES DE BERGUE, of Strangeways Works, Manchester, in the County of Lancashire, Engineer, for an invention for—"Improvements in machinery or apparatus for the manufacture of metal reeds for weaving." <i>Letters Patent sealed.</i>
POWELL. 22nd November 1862.	3144. CHARLES POWELL, of Birmingham, in the County of Warwick, Watch Manufacturer, for an invention for—"Improvements in watches and other time-keepers." <i>Letters Patent sealed.</i>
CLARK. 22nd November 1862.	3145. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in candle lamps."— <i>A communication to him from abroad by Edmond Armand Louis D'Argy, of 29, Boulevard St. Martin, Paris, Manufacturer.</i> <i>Letters Patent sealed.</i>
NEWTON. 22nd November 1862.	3146. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in machinery for cutting corks."— <i>A communication to him from abroad by Isaac Goodspeed, of Norwich, in the State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
WEBSTER. 22nd November 1862.	3147. JAMES WEBSTER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the construction of burners and blow pipes." <i>Letters Patent sealed.</i>
SEARLE. 24th November 1862.	3148. THOMAS JOHN SEARLE, of 4, Darnley Road, Hackney, in the County of Middlesex, for an invention for—"Improvements in apparatus for raising and forcing water or other fluids." <i>Provisional protection NOT granted.</i>
HOWELL. 24th November 1862.	3149. JOSEPH BENNETT HOWELL, of the Firm of Shortridge, Howell and Company, of Sheffield, in the County of York, Steel Manufacturers, for an invention for—"Improvements in the manufacture of armour and other plates, and in shot and shell." <i>Provisional protection NOT granted.</i>
CLARK. 24th November 1862.	3150. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means of obtaining a vacuum or partial vacuum as applied in the manufacture of paper."— <i>A communication to him from abroad by Désiré Mathurin Legat, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>

HAWTHORN. HAWTHORN. 24th November 1862.	3151. ROBERT HAWTHORN and WILLIAM HAWTHORN, both of the Town and County of Newcastle-on-Tyne, Engineers, for an invention for—"Improvements in pump valves." <i>Letters Patent sealed.</i>
BARCLAY. 24th November 1862.	3152. JOHN BARCLAY, of the Vulcan Foundry, Kilmarnock, in the County of Ayr, North Britain, Manager, for an invention for—"Improvements in the construction and arrangement of rollers to be used in machinery for printing textile materials or fabrics, and in apparatus for drying and finishing the said materials or fabrics." <i>Provisional protection only.</i>
JOHNSON. 24th November 1862.	3153. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in burnishing metal surfaces, and in the machinery or apparatus employed therein."— <i>A communication to him from abroad by Arthur Simon Joseph Miron, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
LEIGH. 24th November 1862.	3154. EVAN LEIGH, of the City of Manchester, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in cotton gins." <i>Provisional protection only.</i>
TATHAM. 24th November 1862.	3155. WILLIAM TATHAM, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery or apparatus for preparing and spinning cotton, wool, flax and other fibrous materials." <i>Letters Patent sealed.</i>
AMIES. 24th November 1862.	3156. NATHANIEL JONES AMIES, of Manchester, in the County of Lancaster, Smallware Manufacturer, for an invention for—"An improved fabric to be employed as a substitute for elastic woven or 'braided webs,' and improvements in the method of manufacturing the same." <i>Letters Patent sealed; no specification filed.</i>
MOULE. 25th November 1862.	3157. JOHN MOULE, of 15, Seabright Place, Hackney Road, in the County of Middlesex, Manufacturing Chemist, for an invention for—"An improved method of deodorizing mineral oils and hydro-carbons." <i>Letters Patent sealed.</i>
ROBERTSHAW. ROBERTSHAW. 25th November 1862.	3158. THOMAS ROBERTSHAW, and LUTHER ROBERTSHAW, Manufacturers, both of Bradford, Yorkshire, for an invention for—"Improvements in the manufacture of textile fabrics technically called 'moreens.'" <i>Provisional protection only.</i>
WOOLF. 25th November 1862.	3159. ALBERT LEWIS WOOLF, of the Firm of Woolf, Brothers, of Birmingham, in the County of Warwick, Wholesale Jewellers, for an invention for—"A new or improved metallic alloy." <i>Letters Patent sealed.</i>
WADSWORTH. 25th November 1862.	3160. EDWARD WADSWORTH, of Macclesfield, in the County of Chester, and of the Firm of John B. and Edward Wadsworth, Silk Manufacturers, for an invention for—"Improvements in machinery used in the manufacture of certain descriptions of 'braid.'" <i>Letters Patent sealed.</i>
JARVIS. BRIERLEY. 25th November 1862.	3161. JOHN STEPHEN JARVIS, of 97, Wood Street, London, and JOHN HENRY BRIERLEY, of 58, Aldermanbury, London, both in the County of Middlesex, for an invention for—"Ladies' and gentlemen's leather collars." <i>Provisional protection NOT granted.</i>
CAULFIELD. 25th November 1862.	3162. WILLIAM BEARE CAULFIELD, of No. 30, Queen Street, in the City of London, Stationer, for an invention for—"A new kind of porous stems for tobacco pipes." <i>Provisional protection only.</i>
HENDERSON. 25th November 1862.	3163. GEORGE HENDERSON, of 7, Mincing Lane, in the City of London, for an invention for—"Improvements in steam-engines."— <i>A communication to him from abroad by the inventor Hugh McLardy, of Howerah, in the Zillah of Hooghly, in the Province of Bengal, in the East Indies.</i> <i>Letters Patent sealed.</i>
RANSON. 25th November 1862.	3164. GEORGE RANSON, of Ecclestone, in the County of Lancaster, Licensed Victualler, for an invention for—"Improvements in apparatus for preparing clay for brick-making and other purposes." <i>Letters Patent sealed.</i>
NEWTON. 25th November 1862.	3165. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in sewing machines."— <i>A communication to him from abroad by James Alford House and Henry Alonzo House, both of Brooklyn, King's County, New York State, United States of America.</i> <i>Letters Patent sealed.</i>

LONGLEY. 25th November 1862.	3166. WILLIAM LONGLEY, Builder, of Leeds, in the County of York, for an invention for—"Improvements in machinery for making bricks." <i>Letters Patent sealed.</i>
ELTON. 25th November 1862.	3167. THOMAS MARWOOD ELTON, of the Saint Luke's Soap Works, Golden Lane, Barbican, in the County of Middlesex, for an invention for—"Improvements in the manufacture of soap and in the machinery employed therein." <i>Letters Patent sealed.</i>
FLETCHER. 26th November 1862.	3168. THOMAS FLETCHER, of Rochdale, in the County of Lancaster, Tin Plate Worker, for an invention for—"Improvements in the construction of rollers, cans, spools and bobbins, and in the machinery employed therein." <i>Letters Patent sealed.</i>
ASPELL. BOOTH. 26th November 1862.	3169. JAMES ASPELL, of Middleton, in the County of Lancaster, Manufacturer, and EDWARD BOOTH, of the same place, Manager, for an invention for—"Certain improvements in looms for weaving." <i>Provisional protection only.</i>
STEINTHAL. 26th November 1862.	3170. JOSEPH STEINTHAL, of Abbey Hey Works, Gorton, near Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"An improved moulder's blacking." <i>Letters Patent sealed.</i>
PALLING. 26th November 1862.	3171. FRANCIS PALLING, of Esher Street, Upper Kennington Lane, in the County of Surrey, for an invention for—"An improved fountain penholder." <i>Letters Patent sealed.</i>
FOVEAUX. 26th November 1862.	3172. JOSEPH FRANCIS FOVEAUX, of the Firm of John Weiss and Son, of the Strand, in the County of Middlesex, Surgical Instrument Makers, for an invention for—"Improvements in apparatus for pulverizing or dividing liquids into spray."— <i>A communication to him from abroad by Amatus Luer, of Paris, France.</i> <i>Provisional protection only.</i>
AUSTIN. 26th November 1862.	3173. WILLIAM AUSTIN, of Furnival's Inn Place, Holborn, in the City of London, for an invention for—"An improved material for the manufacture of cartridge cases, applicable also for tubing and various other useful purposes." <i>Provisional protection only.</i>
DANKS. WALKER. WALKER. 26th November 1862.	3174. JOHN RYAN DANKS, BERNARD PEARD WALKER, and ROBERT PERCY WALKER, all of Wolverhampton, in the County of Stafford, Manufacturers, for an invention for—"Improvements in machinery or apparatus for making boot and shoe heel and toe tips, clog irons and other similar articles." <i>Letters Patent sealed.</i>
NEWTON. 26th November 1862.	3175. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of preparing oxide of zinc as a pigment."— <i>A communication to him from abroad by George Lewis, of Philadelphia, United States of America.</i> <i>Letters Patent sealed.</i>
HALFORD. 27th November 1862.	3176. JOHN HALFORD, of Great Barr, in the County of Stafford, Coke Burner, for an invention for—"Improvements in the preparation and treatment of a mineral substance obtained from coal or slack whereby a certain carbonaceous product is obtained and rendered available for use in the manufacture of iron and steel, in the processes of casting and moulding metals, and in the manufacture of paint and such like articles." <i>Letters Patent sealed.</i>
PHÉLOUX. PAUMIER. 27th November 1862.	3177. ANTOINE ALEXANDRE PHÉLOUX, of No. 75, Rue Quincampoix, Householder, and PIERRE ARMAND PAUMIER, of No. 9, Rue Christine, Merchant, both of the City of Paris, in the Empire of France, for an invention for—"A new atmospheric sailing propeller." <i>Provisional protection only.</i>
HARTLEY. 27th November 1862.	3178. FREDERIC WILLIAM HARTLEY, of 55, Millbank Street, in the City of Westminster, Gas Engineer, for an invention for—"Improved means of obtaining certain products resulting from the manufacture and purification of coal gas."— <i>A communication to him from abroad by George Huwitz, of Copenhagen, in the Kingdom of Denmark, Gas Engineer.</i> <i>Provisional protection only.</i>
KEYWORTH. 27th November 1862.	3179. THOMAS KEYWORTH, of Blue Court, Boston, Lincolnshire, for an invention for—"Improvements in motive-power machinery." <i>Letters Patent sealed.</i>
ROWLETT. 27th November 1862.	3180. WILLIAM TERTIUS ROWLETT, of Leicester, in the County of Leicester, for an invention for—"Improvements in machinery used in producing knit or looped fabrics." <i>Letters Patent sealed.</i>

AULD. AULD. 27th November 1862.	3181. DAVID AULD, and DAVID AULD, junior, both of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in working furnaces and steam-boilers and in apparatus connected therewith." <i>Letters Patent sealed.</i>
LINTON. 27th November 1862.	3182. JOHN LIVINGSTON LINTON, of the Buckingham Palace Hotel, Buckingham Gate, in the County of Middlesex, for an invention for—"Improvements in the means of generating steam and in the apparatus to be employed therein."— <i>A communication to him from abroad by Thomas Shaw, resident at the City of Philadelphia, in the United States of America.</i> <i>Provisional protection only</i>
VEERKAMP. VAN TRIGT. 27th November 1862.	3183. DIRK VEERKAMP, and CHARLES FREDERIC AUGUSTUS VAN TRIGT, of 11, Mercers Terrace, Limehouse, in the County of Middlesex, for an invention for—"Improvements in the treatment of old manufactured fabrics in order to obtain useful fibrous products therefrom." <i>Letters Patent sealed; no specification filed.</i>
CLARK. 27th November 1862.	3184. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the preservation of animal and vegetable substances."— <i>A communication to him from abroad by Henri De Lapparent, of 29, Boulevard St. Martin, Paris, Engineer.</i> <i>Letters Patent sealed.</i>
CLARK. 27th November 1862.	3185. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in gas-burners."— <i>A communication to him from abroad by Louis Joseph Frédéric Margueritte, of 29, Boulevard St. Martin, Paris, Chemist.</i> <i>Provisional protection only.</i>
CARBONELL. 28th November 1862.	3186. JOSEPH CARBONELL, of No. 15, Passage des Petites Ecuries, in the City of Paris, in France, Merchant, for an invention for—"Improvements in preparing, manufacturing and washing the paper pulp derived from the esparto plant, and in apparatus connected therewith." <i>Provisional protection only.</i>
WADDINGTON. 28th November 1862.	3187. WILLIAM ALFRED WADDINGTON, of 44, Stonegate, York, Pianoforte Maker, for an invention for—"Improvements in machinery for cutting wood." <i>Provisional protection only.</i>
CAIRD. 28th November 1862.	3188. JAMES TENNANT CAIRD, of Greenock, in the County of Renfrew, North Britain, Engineer, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
JOHNSON. 28th November 1862.	3189. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"An apparatus for indicating the pressure of electric conductors in foreign bodies."— <i>A communication to him from abroad by Edmond Langlois, of Paris, in the Empire of France, Civil Engineer.</i> <i>Letters Patent sealed.</i>
BOECKE. 28th November 1862.	3190. FRANZ BOECKE, of Berlin, in the Kingdom of Prussia, Engineer, for an invention for—"Improvements in sewing or uniting fabrics and in the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
CRESSWELL. GREVES. 28th November 1862.	3191. JOHN CRESSWELL, of Birmingham, in the County of Warwick, Undertaker, and EDWIN THOMPSON GREVES, of the same place, Gentleman, for an invention for—"Improvements in the construction of hearses and funeral carriages." <i>Letters Patent sealed.</i>
BROWNING. 28th November 1862.	3192. SAMUEL JOHN BROWNING, of Portsmouth, in the County of Hants, Engineer, for an invention for—"Improvements in machines to be employed in brewing." <i>Letters Patent sealed.</i>
CLARK. 28th November 1862.	3193. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the permanent way of railways."— <i>A communication to him from abroad by Jules Vautherin, of 29, Boulevard St. Martin, Paris, Iron Master.</i> <i>Letters Patent sealed.</i>
BULLER. MUGFORD. 28th November 1862.	3194. WENTWORTH BULLER, and JABEZ HEARN MUGFORD, both of Bovey Tracy, in the County of Devon, for an invention for—"Improvements in spur supporting rings for fixing plates, dishes, and other like articles in glost ovens." <i>Letters Patent sealed.</i>

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| <p>DELANY.
OKES.
28th November 1862.</p> <p>ADAMS.
WHITE.
28th November 1862.</p> <p>DUDGEON.
28th November 1862.</p> <p>GEDGE.
29th November 1862.</p> <p>BLACKBURN.
KNOWLES.
29th November 1862.</p> <p>TAYLOR.
29th November 1862.</p> <p>CROMPTON.
29th November 1862.</p> <p>LLOYD.
29th November 1862.</p> <p>EVANS.
29th November 1862.</p> <p>CLARK.
29th November 1862.</p> <p>VACHER.
29th November 1862.</p> <p>ROBERTSON.
WHITE.
29th November 1862.</p> <p>MOULE.
29th November 1862.</p> <p>SUTTON.
29th November 1862.</p> <p>ANDERSON.
29th November 1862.</p> | <p>3195. JOSEPH FRANCIS DELANY, and JOHN CHARLES RAYMOND OKES, both of the Victoria Foundry, Greenwich, in the County of Kent, Engineers, for an invention for—"Improvements in double cylinder expansive steam-engines."
<i>Letters Patent sealed.</i></p> <p>3196. JAMES ADAMS, of Bridgehouse, Bow, and WILLIAM CORNWELL WHITE, of King Street, Regent Street, both in the County of Middlesex, for an invention for—"Improvements in apparatus for boiling and evaporating."
<i>Letters Patent sealed.</i></p> <p>3197. ALEXANDER DUDGEON, of 19, Cullum Street, in the City of London, Steam Ship Furnisher, for an invention for—"Improvements in packing for various parts of steam and other engines and machinery."
<i>Letters Patent sealed.</i></p> <p>3198. WILLIAM EDWARD GEDGE, of the Firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of clocks or time-keepers."—<i>A communication to him from abroad by Pierre Louis Rabiet, of Chalons-sur-Saône, France.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>3199. THOMAS BLACKBURN, and MARK KNOWLES, of Blackburn, in the County of Lancaster, Machine Makers, for an invention for—"Improvements in looms for weaving."
<i>Provisional protection only.</i></p> <p>3200. FREDERICK GEORGE TAYLOR, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in washing-machines."
<i>Letters Patent sealed.</i></p> <p>3201. JAMES CROMPTON, of Bolton, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery or apparatus for ploughing, harrowing, clearing and drilling land."
<i>Provisional protection only.</i></p> <p>3202. THOMAS LLOYD, of Liverpool, in the County of Lancaster, Coach Builder, for an invention for—"Improvements in and applicable to the wheels of vehicles."
<i>Provisional protection only.</i></p> <p>3203. THOMAS EVANS, of 16, Cross Street, Abergavenny, in the County of Monmouthshire, Boot and Shoe Manufacturer, for an invention for—"Improvements in coverings for the leg and thigh, known as antigraphilos."
<i>Letters Patent sealed.</i></p> <p>3204. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved machine for cutting corks for stoppers."—<i>A communication to him from abroad by John Denison Crocker, of Norwich, in the County of New London, and State of Connecticut, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>3205. FRANCIS VACHER, of Parliament Street, in the County of Middlesex, for an invention for—"Improvements in ornamenting playing-cards."
<i>Provisional protection only.</i></p> <p>3206. JOHN CAMPBELL ROBERTSON, of Gracechurch Street, in the City of London, and WILLIAM CORNWELL WHITE, of King Street, Regent Street, in the County of Middlesex, for an invention for—"An improved tap or cock."
<i>Letters Patent sealed.</i></p> <p>3207. The Reverend HENRY MOULE, Clerk, Master of Arts, of Fordington, in the County of Dorset, for an invention for—"Improvements in locomotive engines and in apparatus for generating steam for steam-engines."
<i>Letters Patent sealed.</i></p> <p>3208. DANIEL SUTTON, of Banbury, near Oxford, Farmer, for an invention for—"Improvements in apparatus for washing linen and other fabrics and garments."
<i>Provisional protection only.</i></p> <p>3209. JOHN ANDERSON, C. E., of the Royal Arsenal, Woolwich, in the County of Kent, for an invention for—"Improvements in the manufacture of the tyres of railway wheels and rails, switches and crossings of railways."
<i>Letters Patent sealed.</i></p> |
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PENSON. 29th November 1862.	3210. RICHARD KYRKE PENSON, of Ferryside, Carmarthenshire, for an invention for—"Improvements in apparatus used for warming railway carriages."— <i>A communication to him from abroad by Adrien Delcambre, a person resident at Rue de Burgoyne, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
HENRY. 29th November 1862.	3211. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture of leather."— <i>A communication to him from abroad by Manuel Luis Godoy, Prince de Bassano, and Louis Antoine Beudet, both of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
EMERY. 1st December 1862.	3212. HORACE LEEMAN EMERY, of Albany, State of New York, United States of America, but now residing at No. 72, Sloane Street, Chelsea, in the County of Middlesex, Agricultural Implement Maker, for an invention for—"Improvements in thrashing machines." <i>Letters Patent sealed.</i>
BOURNE. 1st December 1862.	3213. PETER BOURNE, of Whitehaven, in the County of Cumberland, Colliery Viewer, for an invention for—"Improvements in miners' lamps." <i>Provisional protection only.</i>
GRIFFIN. 1st December 1862.	3214. GEORGE FEATHERSTONE GRIFFIN, of New Adelphi Chambers, in the County of Middlesex, Engineer, for an invention for—"Improvements in the permanent way of railways." <i>Letters Patent sealed.</i>
WALLER. 1st December 1862.	3215. THOMAS WALLER, of Fish Street Hill, in the City of London, Stove Manufacturer, for an invention for—"Improvements in stoves." <i>Letters Patent sealed.</i>
IRWIN. 1st December 1862.	3216. JOHN IRWIN, of Wellingborough, in the County of Northampton, for an invention for—"An improved machine for cultivating land." <i>Letters Patent sealed.</i>
FLUDE. 1st December 1862.	3217. ROBERT FLUDE, of Aylstone Street, in the Town and County of Leicester, for an invention for—"Improvements in looms for weaving narrow fabrics." <i>Letters Patent sealed.</i>
COPPARD. 1st December 1862.	3218. JOHN COPPARD, of Hoxton, in the County of Middlesex, for an invention for—"An appliance or appliances for horse shoes to produce the effect of what is termed roughing." <i>Provisional protection only.</i>
ROMER. 1st December 1862.	3219. JOSEPH ROMER, of Shipbourne, in the County of Kent, for an invention for—"Improvements in the manufacture of bullion wire and metallic fine drawn wire." <i>Letters Patent sealed.</i>
CLARK. 1st December 1862.	3220. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved apparatus applicable as a pump, water meter, hydraulic motor, or a steam-engine."— <i>A communication to him from abroad by William Foster and Robert Foster, both of the City of Brooklyn, King's County, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
REUTER. 1st December 1862.	3221. PETER WILLIAM REUTER, of Buckland Crescent, St. John's Wood, in the County of Middlesex, Merchant, for an invention for—"The preparation of a new compound to be used for dyeing and printing purposes."— <i>A communication to him from abroad by Edward Reuter, of Paris, in the Empire of France, Colour Manufacturer.</i> <i>Letters Patent sealed.</i>
JOHNSON. 1st December 1862.	3222. EDWARD DANIEL JOHNSON, of Wilmington Square, in the County of Middlesex, Watch and Chronometer Manufacturer, for an invention—for "Improvements in pocket watches." <i>Letters Patent sealed.</i>
OLDFIELD. 1st December 1862.	3223. BENJAMIN OLDFIELD, of Coventry, in the County of Warwick, Machinist, for an invention for—"Improvements in looms." <i>Letters Patent sealed.</i>
NEWTON. 1st December 1862.	3224. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of steam and other vessels."— <i>A communication to him from abroad by William Montgomery Storm, of New York City, in the United States of America.</i> <i>Letters Patent sealed.</i>

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| <p>TWELVETREES.
2nd December 1862.</p> <p>TWELVETREES.
2nd December 1862.</p> <p>TWELVETREES.
2nd December 1862.</p> <p>BRASSERT.
2nd December 1862.</p> <p>CRAVEN.
CRAVEN.
ROBINSON.
2nd December 1862.</p> <p>BLUMBERG.
2nd December 1862.</p> <p>WHEATLEY.
2nd December 1862.</p> <p>COOK.
2nd December 1862.</p> <p>BOUSFIELD.
2nd December 1862.</p> <p>BOUSFIELD.
2nd December 1862.</p> <p>GRAHAM.
2nd December 1862.</p> <p>CHARLES.
2nd December 1862.</p> <p>CAUTLEY.
2nd December 1862.</p> <p>SIMLICK.
2nd December 1862.</p> <p>BROWNE.
2nd December 1862.</p> | <p>3225. HARPER TWELVETREES, of Bromley, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in apparatus for cleaning knives, forks and boots."
<i>Provisional protection only.</i></p> <p>3226. HARPER TWELVETREES, of Bromley, in the County of Middlesex, Manufacturer, for an invention for—"An improved sawing, filing, mortising and turning apparatus."
<i>Provisional protection only.</i></p> <p>3227. HARPER TWELVETREES, of Bromley, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in washing, wringing and mangling machines."
<i>Provisional protection only.</i></p> <p>3228. PAULINE BRASSERT, of St. Anne's Road, Brixton, in the County of Surrey, for an invention for—"Improvements in apparatus for saving life and property in cases of fire or burglary."
<i>Provisional protection only.</i></p> <p>3229. JOSIAH CRAVEN, and JOHN CRAVEN, Overlookers, and JONAS ROBINSON, Manager of Clayton Mill, near Bradford, in the County of York, for an invention for—"Improvements in looms for weaving."
<i>Provisional protection only.</i></p> <p>3230. GEORGE FREDERICK BLUMBERG, of the Firm of Blumberg and Company, of Cannon Street West, in the City of London, Manufacturer, for an invention for—"An improved method of and apparatus for producing designs in or on glass."
<i>Letters Patent sealed.</i></p> <p>3231. JOHN WHEATLEY, Captn. in the Royal Navy, of No. 9, Glücks Strasse, Munich, for an invention for—"Improvements in the construction of ships of war, and in the manufacture of armour plates for ships, forts, and batteries."
<i>Letters Patent sealed.</i></p> <p>3232. THOMAS COOK, of Manor Place, Walworth, in the County of Surrey, Machinist, for an invention for—"Improvements in envelope folding machinery."
<i>Letters Patent sealed.</i></p> <p>3233. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in forming the permanent ways of railways."—<i>A communication to him from abroad by Eugène Smits, a person resident at Couillet, near Charleroi, Belgium.</i>
<i>Provisional protection only.</i></p> <p>3234. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in apparatus for discharging guns or ordnance."—<i>A communication to him from abroad by Daniel Treadwell, a person resident in the United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>3235. DUGALD GRAHAM, of Edinburgh, in the County of Mid-Lothian, North Britain, Commander of the Northern Lights Commissioners Steamer, for an invention for—"Improvements in steering and manœuvring ships or vessels and in the apparatus employed therein."
<i>Provisional protection only.</i></p> <p>3236. ANDREW PATON CHARLES, of the Firm of Paton and Charles, of High Street, Wapping, in the County of Middlesex, Soap and Candle Manufacturer, for an invention for—"Improvements in candles and night-lights, and in the lamps or apparatus for burning the same."
<i>Letters Patent sealed.</i></p> <p>3237. RICHARD KINGSMAN CAUTLEY, of Thorney, in the County of Cambridge, Gentleman, for an invention for—"Improvements in electro-thermal baths."—<i>A communication to him from abroad by Mark House, the inventor, of Cleveland, Ohio, United States.</i>
<i>Provisional protection only.</i></p> <p>3238. HENRY JOSEPH SIMLICK, of Osborne Place, Whitechapel, in the County of Middlesex, for an invention for—"Improvements in the manufacture of cigar and pipe lights."
<i>Provisional protection only.</i></p> <p>3239. BENJAMIN BROWNE, of No. 49, King William Street, in the City of London, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction of knobs or handles of door locks, and in the mode of connecting same with the sliding bolts thereof for advancing and drawing back said bolts."—<i>A communication to him from abroad by Jean Baptiste Poisot, (Locksmith,) of Gray, Haute Saône, in the French Empire.</i>
<i>Provisional protection only.</i></p> |
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WILDE. 3rd December 1862.	3240. HENRY WILDE, of the City of Manchester, Engineer, for an invention for—"Improvements in electro-magnetic telegraphs and in apparatus connected therewith." <i>Letters Patent sealed.</i>
BECKS. 3rd December 1862.	3241. ARTHUR THOMAS BECKS, of the Firm of Becks and Martin, of Birmingham, in the County of Warwick, Iron Masters, for an invention for—"Improvements in machinery for cutting or shearing sheets or plates of metal." <i>Letters Patent sealed.</i>
THOMAS. 3rd December 1862.	3242. ROBERT BROCKHOLES THOMAS, of Anderton, in the County of Devon, for an invention for—"An improved apparatus for turning over the leaves of music." <i>Provisional protection only.</i>
CLAUS. 3rd December 1862.	3243. CHARLES FREDERICK CLAUS, of Fearnhead, in the County of Lancaster, Chemist, for an invention for—"Improvements in carboy hampers and in the machinery or other means used for manufacturing the same." <i>Letters Patent sealed.</i>
MORTON. 3rd December 1862.	3244. ALEXANDER MORTON, of Arbroath, in the County of Forfar, Engineer and Machinist, for an invention for—"Improvements in lawn mowing-machines." <i>Provisional protection only.</i>
BROWNE. 3rd December 1862.	3245. WILLIAM HENRY BROWNE, of No. 29, Alwyne Road, Canonbury, in the County of Middlesex, for an invention for—"Improvements in gas stoves." <i>Provisional protection only.</i>
ABADIE. 3rd December, 1862.	3246. ISMAEL ISAAC ABADIE, of Rue de Mulhouse, Paris, in the Empire of France, Commission Agent, for an invention for—"Improvements in the manufacture of imitation lace and guipure veils and other analogous articles." <i>Provisional protection only.</i>
EDEN. 3rd December 1862.	3247. ALFRED FREDERICK EDEN, of Threadneedle Street, in the City of London, Optician, for an invention for—"Improvements in apparatus for taking minute photographic pictures, and magnified pictures of microscopic objects." <i>Letters Patent sealed.</i>
ROECKNER. 4th December 1862.	3248. CARL HEINRICH ROECKNER, of Bristol, for an invention for—"An improved method of constructing coffer dams and other similar structures for excluding or keeping back the flow of water and preventing inundations." <i>Provisional protection only.</i>
SWAN. 4th December 1862.	3249. HENRY SWAN, of Bishopsgate Street Without, for an invention for—"Improvements in stereoscopic apparatus." <i>Letters Patent sealed.</i>
GRANT. 4th December 1862.	3250. JOHN GRANT, of Albion Place, Maidstone, in the County of Kent, Farmer, for an invention for—"Improvements in the construction of turntables for portable railways." <i>Letters Patent sealed.</i>
KAY. 4th December 1862.	3251. RICHARD DUGDALE KAY, of Accrington, in the County of Lancaster, Manufacturer of Patent Fabrics, for an invention for—"Improvements in the manufacture or finishing of endless machine blankets or endless lappings for printing purposes." <i>Letters Patent sealed.</i>
BRADDOCK. 4th December 1862.	3252. JAMES BRADDOCK, of Droylesden, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in machinery or apparatus for effecting the separation of impurities from the water employed in steam-boilers, and also for effecting the circulation of the said water." <i>Letters Patent sealed.</i>
DELF. GIBSON. 4th December 1862.	3253. FREDERICK DANIEL DELF, of Liverpool, in the County of Lancaster, Chemist, and THOMAS CUMMINGS GIBSON, of Ramsey, in the Isle of Man, Gentleman, for an invention for—"Improved means and apparatus whereby petroleum and other oils and hydro-carbons can be safely carried and stored." <i>Provisional protection only.</i>
LEWAL. 4th December 1862.	3254. GABRIEL LEWAL, of No. 74, Saint George's Road, Pimlico, in the County of Middlesex, Gentleman, for an invention for—"A hot air apparatus in cast iron or any other metal or substance, consisting of prismatic tubes, to be applied to chimnies with flues and heat conduits."— <i>A communication to him from abroad by Jean Baptist Fondet, of 14 bis, Boulevard Poissoniere, Paris, in the Empire of France, Architect.</i> <i>Letters Patent sealed.</i>

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| <p>CASTELBON.
4th December 1862.</p> <p>ROBINSON.
4th December 1862.</p> <p>BIGGS.
JOHNSON.
RICHARDSON.
ARNOLD.
4th December 1862.</p> <p>WALLIS.
4th December 1862.</p> <p>HORNSBY.
4th December 1862.</p> <p>WEBB.
4th December 1862.</p> <p>TILDESLEY.
SHARPE.
5th December 1862.</p> <p>CHRISTOPH.
HAWKSWORTH.
HARDING.
5th December 1862.</p> <p>WILSON.
5th December 1862.</p> <p>BLACKWELL.
5th December 1862.</p> <p>RIGBY.
5th December 1862.</p> <p>COWAN.
5th December 1862.</p> <p>SMITH.
5th December 1862.</p> <p>WALTON.
5th December 1862.</p> <p>GALLETTI.
STEFANO.
5th December 1862.</p> | <p>3255. HENRY CASTELBON, of No. 15, Passage des Petites Ecuries, Paris, in the Empire of France, Patent Agent, for an invention for—"An improved press to be used in the manufacture of tiles and bricks."—<i>A communication from Jean Joseph Felix, a person resident at Beaulieu, Vosges, France. Provisional protection only.</i></p> <p>3256. JOHN ROBINSON, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in the construction of ships and vessels."
<i>Letters Patent sealed.</i></p> <p>3257. JOHN BIGGS, JOSEPH JOHNSON, THOMAS RICHARDSON, and THOMAS ARNOLD, all of Leicester, for an invention for—"Improvements in the manufacture of warp fabrics."
<i>Letters Patent sealed.</i></p> <p>3258. RICHARD WALLIS, of Basingstoke, in the County of Hants, Corn and Coal Merchant, for an invention for—"Improvements in apparatus for loading and unloading vessels, and transporting sacks, casks and other packages or parcels from one landing place or stage to another, or to or from one warehouse to another."
<i>Letters Patent sealed.</i></p> <p>3259. RICHARD HORNSBY, junior, of Spittlegate Iron Works, Grantham, Lincolnshire, for an invention for—"Improvements in apparatus for cutting and pulping turnips and other vegetables."
<i>Letters Patent sealed.</i></p> <p>3260. THOMAS GEORGE WEBB, of Manchester, in the County of Lancaster, Flint Glass Manufacturer, for an invention for—"Improvements in the manufacture of articles of pressed glass."
<i>Letters Patent sealed.</i></p> <p>3261. MATTHEW TILDESLEY, of Willenhall, in the County of Stafford, Sock Manufacturer, and EDMUND SHARPE, of Swadlincote, in the County of Derby, Earthenware Manufacturer, for an invention for—"Improvements in the manufacture of earthenware knobs, and in fixing them in spindles used with certain kinds of knobs, in securing the metal mounts upon such knobs, and in apparatus to be employed in certain parts of this manufacture."
<i>Provisional protection only.</i></p> <p>3262. LOUIS CHRISTOPH, of Paris, in the Empire of France, WILLIAM HAWKSWORTH, of Linlithgow, North Britain, Steel Manufacturer, and GUSTAVUS PALMER HARDING, of Paris, Merchant, for an invention for—"Improvements in drilling, drawing and rolling metals, and in the machinery or apparatus employed therein."
<i>Letters Patent sealed.</i></p> <p>3263. EDWARD BROWN WILSON, of Parliament Street, in the City of Westminster, Engineer, for an invention for—"Improvements in railway wheels and in the mode of manufacturing the same."
<i>Letters Patent sealed.</i></p> <p>3264. THOMAS EVANS BLACKWELL, of Orsett Terrace, Hyde Park, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in barometers or instruments for measuring altitudes or the pressure of the atmosphere or elastic fluids."
<i>Letters Patent sealed.</i></p> <p>3265. JOHN MACVICAR RIGBY, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in presses for pressing cotton or other fibrous materials."
<i>Provisional protection only.</i></p> <p>3266. PHINEAS COWAN, of the Firm of L. Cowan and Sons, of Hammersmith Bridge Soap Works, Barnes, in the County of Surrey, Manufacturers, for an invention for—"An improved method of purifying gas."
<i>Provisional protection only.</i></p> <p>3267. WILLIAM JOSEPH SMITH, of Brooklands Cottage, Sale, in the County of Chester, for an invention for—"Improvements in the manufacture of collars, cuffs and wristbands."
<i>Letters Patent sealed.</i></p> <p>3268. EDMUND WALTON, one of the Managers in the employment of Foster, Porter and Company, of Wood Street, in the City of London, Warehousemen, for an invention for—"An improved article of wearing-apparel for the neck."
<i>Provisional protection only.</i></p> <p>3269. CHARLES GALLETTI, and FRANCO STEFANO, both of Charles Street, Hoxton, in the County of Middlesex, Cabinet Makers, for an invention for—"Improvements in articles of furniture."
<i>Provisional protection only.</i></p> |
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BONNEVILLE. 6th December 1862.	3270. HENRI ADRIEN BONNEVILLE, of Paris, in the Empire of France, for an invention for—"Improvements in the manufacture of stockings and socks."— <i>A communication from Pierre Francois Jean Baptiste Bezard, Manufacturer, a person resident at Vranvilliers, in the Empire of France.</i> <i>Letters Patent sealed.</i>
THORP. 6th December 1862.	3271. ROBERT THORP, of Liverpool, in the County of Lancaster, Engine Tenter, for an invention for—"Improved coating or covering for steam-boilers and other surfaces to prevent the radiation of heat." <i>Provisional protection only.</i>
CRAIG. 6th December 1862.	3272. JAMES CRAIG, and MATTHEW CRAIG, of Kilmarnock, in the County of Ayr, North Britain, Fire Clay Manufacturers, for an invention for—"Improvements in apparatus for the manufacture of clay." <i>Letters Patent sealed.</i>
WRIGHT. 6th December 1862.	3273. GEORGE WRIGHT, of Friern Manor, Peckham Rye, in the County of Surrey, Farmer and Cattle Food Manufacturer, for an invention for—"Certain improvements in the preparation or manufacture of food for cattle." <i>Letters Patent sealed.</i>
McNAUGHT. 6th December 1862.	3274. WILLIAM McNAUGHT, of St. George's Foundry, Rochdale, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for washing and drying textile fabrics and materials." <i>Letters Patent sealed.</i>
CAMPBELL. 6th December 1862.	3275. JAMES CAMPBELL, the younger, of Belfast, in the County of Antrim, Ireland, Flax Spinner, for an invention for—"Improvements in means or apparatus for heckling or hackling flax and other fibres." <i>Provisional protection only.</i>
BURCHALL. BORROWS. 6th December 1862.	3276. JOHN BURCHALL, of St. Helen's, in the County of Lancaster, Merchant, and EDWARD BORROWS, of Sutton, also in the County of Lancaster, aforesaid, Engineer, for an invention for—"Improvements in propellers for ships and other navigable vessels." <i>Letters Patent sealed.</i>
ULLMER. 6th December 1862.	3277. EDWIN ULLMER, and WILLIAM ULLMER, both of Castle Street, in the City of London, Printing Machine Manufacturers, for an invention for—"Improvements in cylinder printing machines." <i>Provisional protection only.</i>
McCLINTOCK. 6th December 1862.	3278. RICHARD McCLINTOCK, of the City of Dublin, for an invention for—"Improvements in carriage axles." <i>Provisional protection only.</i>
DONOVAN. 6th December 1862.	3279. RICHARD EDWARD DONOVAN, of Court Duffe, at Castelnock, in the County of Dublin, Ireland, Gentleman, for an invention for—"Improvements in the means and apparatus for the prevention of railway accidents." <i>Letters Patent sealed.</i>
JOCE. 6th December 1862.	3280. JOHN JOCE, of Colchester, in the County of Essex, Surgeon, for an invention for—"An improved composition or compositions for producing artificial sea water or the odour or effects of sea water." <i>Provisional protection only.</i>
PALLISER. 6th December 1862.	3281. WILLIAM PALLISER, Captain in Her Majesty's 18th Hussars, of the City of Dublin, Ireland, for an invention for—"Improvements in screw-bolts." <i>Letters Patent sealed.</i>
LOWRY. 8th December 1862	3282. GEORGE LOWRY, of Salford, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery for hackling flax and preparing to be spun flax, hemp, tow and such like materials." <i>Letters Patent sealed.</i>
BUDDEN. 8th December 1862.	3283. JOHN LEGGETT BUDDEN, of Fenchurch Street, in the City of London, Merchant, for an invention for—"Improvements in means or apparatus for obtaining and applying motive-power for propelling or other purposes."— <i>A communication to him from abroad by Woodford Pilkington, Civil Engineer, of the Cape of Good Hope.</i> <i>Provisional protection only.</i>
SELLARS. 8th December 1862.	3284. JOHN SELLARS, of Pendlebury, near Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of pulp or half stuff used in the manufacture of paper, pasteboard and similar articles." <i>Letters Patent sealed.</i>
TODD. 8th December 1862.	3285. PETER TODD, of Wheelton, in the County of Lancaster, Spinner and Manufacturer, for an invention for—"Certain improvements in 'pickers' used in 'looms for weaving.'" <i>Letters Patent sealed.</i>

- BROOMAN.
8th December 1862. 3286. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in kneading-machines."—*A communication to him from abroad by Alexandre Sezille, of Noyon, France.*
Letters Patent sealed.
- HUDDART.
8th December 1862. 3287. GEORGE AUGUSTUS HUDDART, of Bryn kir, in the County of Carnarvon, Gentleman, for an invention for—"Improvements in buttons."
Letters Patent sealed.
- SANDERSON.
8th December 1862. 3288. CHARLES SANDERSON, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"An improved mode of manufacturing bands for driving machinery, lifting weights and other analogous purposes."
Letters Patent sealed.
- NEWTON.
8th December 1862. 3289. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in preserving animal substances."—*A communication to him from abroad by Victor Pierre Celestin Baud, of Rue St. Sebastien, Paris, in the Empire of France.*
Provisional protection only.
- HILLIAR.
8th December 1862. 3290. JOHN HILLIAR, of Balsall Heath, in the County of Worcester, Manager of Works, for an invention for—"Improvements in hinges, joints or connections and in applying them, parts of which improvements may also be employed for constructive and decorative purposes."
Letters Patent sealed.
- HILLIAR.
8th December 1862. 3291. JOHN HILLIAR, of Balsall Heath, in the County of Worcester, Manager of Works, for an invention for—"Improvements in ventilating and in the exclusion of dust or draught, insects or other animals from apartments, carriages or other confined spaces."
Letters Patent sealed.
- HUGHES.
8th December 1862. 3292. EDWARD THOMAS HUGHES, of the Firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in galvanic apparatus."—*A communication to him from abroad by Johann Jacob Dahms and Albert Rudolph Wittig, of Berlin, in the Kingdom of Prussia.*
Letters Patent sealed.
- KIESLING.
KIESLING.
8th December 1862. 3293. JULIUS ALBERT KIESLING, and CARL LOUIS KIESLING, of Liverpool, in the County of Lancaster, Artists, for an invention for—"Improved means of renewing worn out and partially worn out files and rasps."
Provisional protection only.
- JOHNSON.
8th December 1862. 3294. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the construction of steam generators."—*A communication to him from abroad by Joseph Francois Berendorf, of Paris, in the Empire of France, Engineer.*
Letters Patent sealed.
- WINGATE.
9th December 1862. 3295. THOMAS WINGATE, junior, of the Firm of Messrs. Thomas Wingate and Company, Engineers and Iron Ship Builders, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in dredging machinery."
Letters Patent sealed.
- MIRLAND.
9th December 1862. 3296. VICTOR MIRLAND, of the Town of Frameries, in the Kingdom of Belgium, Manufacturer, for an invention for—"Improvements in manufacturing paste with the dried pulp of rhubarb to be used as preserve."
Letters Patent sealed.
- BENTON.
9th December 1862. 3297. MARSHALL FRANKLIN BENTON, resident in the Free Hanseatic Town of Bremen, but at present at 21, Percy Street, Bedford Square, in the County of Middlesex, Merchant, for an invention for—"Improvements in the manufacture of gunpowder."—*A communication to him from abroad by Samuel Ricker, resident in the Free City of Frankfort-on-the-Maine.*
Provisional protection only.
- CLARK.
9th December 1862. 3298. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in photographic apparatus."—*A communication to him from abroad by Jean Baptiste Sabatier-Blot, of 29, Boulevard St. Martin, Paris, Photographer.*
Provisional protection only.
- BROOMAN.
9th December 1862. 3299. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in treating liquorice root to obtain liquid and solid extracts therefrom."—*A communication to him from abroad by Frumence Nicolas Frezou, of Paris, France.*
Provisional protection only.

JEFFRIES. 9th December 1862.	3300. GEORGE JEFFRIES, of Golden Ball Street, Norwich, Gun Maker, for an invention for—"Improvements in breech loading fire-arms." <i>Letters Patent sealed.</i>
HOWARD. BULLOUGH. CLEGG. 9th December 1862.	3301. JOHN HOWARD, JOHN BULLOUGH, and THOMAS CLEGG, all of Accrington, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for preparing cotton or other fibrous materials to be spun." <i>Provisional protection only.</i>
SYERS. SYERS. 9th December 1862.	3302. JOHN MILNE SYERS, and EDWARD DAVIES SYERS, both of Liverpool, in the County of Lancaster, Oil Merchants, for an invention for—"Improvements in deodorizing petroleum, shale and other like oils." <i>Provisional protection NOT granted.</i>
EFFERTZ. 9th December 1862.	3303. PETER EFFERTZ, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery or apparatus for making bricks, tiles, drain pipes and other similar articles." <i>Letters Patent sealed.</i>
NEWTON. 9th December 1862.	3304. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in fire-arms."— <i>A communication to him from abroad by Leonhard Kastli and Charles Custer, both of Alstatten, in the Republic of Switzerland.</i> <i>Letters Patent sealed.</i>
WILSON. 9th December 1862.	3305. EDWARD BROWN WILSON, of 5, Parliament Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in machinery or apparatus for rolling metals." <i>Provisional protection only.</i>
LAMB. 10th December 1862.	3306. JOHN LAMB, of the Holborn Paper Mills, Newcastle-under-Lyme, in the County of Stafford, for an invention for—"Improvements in the manufacture of tissue paper for transferring patterns and designs." <i>Letters Patent sealed.</i>
INGLIS. 10th December 1862.	3307. WILLIAM INGLIS, of Montreal, Canada, Engineer, for an invention for—"Improvements in steam-boilers." <i>Letters Patent sealed.</i>
LESAGE. 10th December 1862.	3308. LOUIS AMAND LESAGE, of 2, Rue St. Appoline, Paris, France, Merchant, for an invention for—"An improved method of preparing jellies and jams." <i>Provisional protection only.</i>
TAUNTON. 10th December 1862.	3309. JOHN RICHARD CROMWELL TAUNTON, of the Firm of Taunton and Hatton, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in the manufacture and ornamentation of metallic bedsteads and other articles of like manufacture." <i>Provisional protection only.</i>
WHITFIELD. 10th December 1862.	3310. SAMUEL BENJAMIN WHITFIELD, of the Firm of Samuel Whitfield and Sons, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in the dovetail joints used in metallic bedsteads and other articles of like manufacture." <i>Letters Patent sealed.</i>
OSBORNE. 10th December 1862.	3311. MARK OSBORNE, of Birmingham, in the County of Warwick, Iron Founder, for an invention for—"Improvements in the manufacture of cast-iron fenders." <i>Letters Patent sealed.</i>
PRICE. 10th December 1862.	3312. ASTLEY PASTON PRICE, of Lincoln's Inn Fields, in the County of Middlesex, Consulting Chemist, for an invention for—"Improvements in the manufacture or production of blue colors."— <i>A communication to him from abroad by Augustus Eisenlohr, of Heidelberg, in the Grand Duchy of Baden, Doctor of Philosophy.</i> <i>Letters Patent sealed.</i>
CHALMERS. 10th December 1862.	3313. DAVID CHALMERS, of Dundee, in the County of Forfar, North Britain, Machinist, for an invention for—"Improvements in the preparation or manufacture of textile materials and in the machinery or apparatus used therein." <i>Letters Patent sealed.</i>
TURNER. 10th December 1862.	3314. WILLIAM ALLEN TURNER, of Lawrence Pountney Lane, in the City of London, for an invention for—"Improvements in machinery for cutting or paring starch." <i>Letters Patent sealed.</i>
CLARK. 10th December 1862.	3315. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in umbrellas."— <i>A communication to him from abroad by Mr. Jean Degivry, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>

- KING.
10th December 1862. 3316. JOHN KING, of Heanor, in the County of Derby, for an invention for—"Improvements in apparatus used for signalling on railways." *Letters Patent sealed.*
- TOYNBEE.
10th December 1862. 3317. EDWARD TOYNBEE, of the City of Lincoln, Analytical Chemist, for an invention for—"Improvements in extracting oils and fatty matters from shoddy or refuse wool, skins or skin pieces, glue pieces, cotton waste and other animal or vegetable matter, and in producing an artificial manure." *Letters Patent sealed.*
- SPIGHT.
11th December 1862. 3318. ISAAC SPIGHT, of Glandford Briggs, in the County of Lincoln, Iron Founder and Agricultural Machine Maker, for an invention for—"Improvements in horse hoes." *Letters Patent sealed.*
- TRISTRAM.
BRERETON.
11th December 1862. 3319. WILLIAM TRISTRAM, of Halliwell, near Bolton-le-Moors, in the County of Lancaster, Manufacturer, and HENRY BRERETON, of the same place, Manager, for an invention for—"Improvements in machinery or apparatus for sizing yarns and threads." *Letters Patent sealed.*
- BRECKON.
DOUGLAS.
11th December 1862. 3320. JOHN ROBERT BRECKON, of Darlington, in the County of Durham, Accountant and Colliery Manager, and THOMAS DOUGLAS, of Pease's West Colliery Crook, in the County of Durham, aforesaid, Colliery Viewer, for an invention for—"Improvements in the manufacture of fire-bricks and other articles usually made from fire-clay." *Letters Patent sealed.*
- RONALD.
11th December 1862. 3321. ROBERT ALEXANDER RONALD, of Glenpatrick, in the County of Renfrew, North Britain, Carpet Manufacturer, for an invention for—"Improvements in printing textile and felted fabrics and in the machinery or apparatus to be used therein." *Letters Patent sealed.*
- CLARK.
11th December 1862. 3322. ROBERT CLARK, of Langloan, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in machinery or apparatus for boring, winding and lifting for mining purposes." *Letters Patent sealed.*
- BURGESS.
11th December 1862. 3323. ARTHUR WELLINGTON BURGESS, of No. 107, Strand, in the County of Middlesex, for an invention for—"Improvements in the preparation of anchovies." *Letters Patent sealed.*
- IMRAY.
11th December 1862. 3324. JOHN IMRAY, of 65, Bridge Road, Lambeth, in the County of Surrey, Engineer, for an invention for—"Improvements in apparatus used for mixing and kneading." *Letters Patent sealed.*
- GOULDING.
11th December 1862. 3325. WILLIAM GOULDING, of 17, Margarets Street, Leicester, for an invention for—"Improvements in ploughs." *Letters Patent sealed.*
- VICKERS.
11th December 1862. 3326. THOMAS EDWARD VICKERS, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in the construction of ordnance." *Letters Patent sealed.*
- WINIWARTER.
12th December 1862. 3327. GEORGE WINIWARTER, of Gumpolds-kirchen, in the Empire of Austria, but now of No. 32, King Street, Cheapside, in the City of London, for an invention for—"Improvements in the construction of portable houses, walls or partitions of buildings, strong rooms, safes, refrigeratories, reservoirs, piers and other structures, also applicable to the construction of casks and similar articles, boats, and ships." *Provisional protection only.*
- SANDERSON.
12th December 1862. 3328. HENRY SANDERSON, of the Firm of Wm. Sanderson and Sons, of Sheffield, in the County of York, Table Knife Makers, for an invention for—"Improvements in the manufacture of table and other knives and forks." *Provisional protection only.*
- ROUSSEL.
12th December 1862. 3329. JOSEPH EUSÈBE ROUSSEL, of No. 15, Passage des Petites Ecuries, Parish, in the Empire of France, Merchant, for an invention for—"Improvements in hand and power looms for weaving."—*A communication from Victor Armand Thaurin, a person resident at Caudebec lès Elbeuf, France.* *Letters Patent sealed.*
- GASKELL.
WALMSLEY.
12th December 1862. 3330. JAMES GASKELL, of Blackburn, in the County of Lancaster, and HENRY WALMSLEY, of Great Harwood, near Blackburn, for an invention for—"Improvements in regulating the tension of yarn in the processes of warping, winding, sizing, weaving and other similar purposes." *Letters Patent sealed.*

HANCOCK. SILVER. 12th December 1862.	3331. CHARLES HANCOCK, of West Street, Smithfield, in the City of London, Manufacturer, and STEPHEN WILLIAM SILVER, of 4, Bishopsgate Street, in the said City of London, Manufacturer, for an invention for—"Certain compounds and substances applicable for electric insulation and other purposes." <i>Letters Patent sealed.</i>
MILLS. 12th December 1862.	3332. ABEL MILLS, of Seaham Harbour, in the County of Durham, Boot and Shoe Maker, for an invention for—"Improvements in reefing and unreefing, furling and unfurling sails of ships and other vessels, and an improvement in the rotary yards and the journals in which the sockets or ends of the rotary yards work." <i>Provisional protection only.</i>
CLARK. 12th December 1862.	3333. GEORGE CLARK, of No. 30, Craven Street, Strand, in the County of Middlesex, for an invention for—"Improvements in fortification for the defence of ships, batteries and forts." <i>Provisional protection only.</i>
FOX. 12th December 1862.	3334. SAMUEL FOX, of Stockbridge Works, Deepcar, near Sheffield, in the County of York, for an invention for—"Improvements in retorts and apparatus employed for the manufacture of gas, and also in purifying gas." <i>Letters Patent sealed.</i>
BROWN. 13th December 1862.	3335. JOHN BROWN, of the Firm of John Brown and Company, of the Atlas Steel Spring and Iron Works, Sheffield, in the County of York, for an invention for—"Improvements in the manufacture of armour plates." <i>Provisional protection only.</i>
BAKER. 13th December 1862.	3336. JAMES WOOD BAKER, of Bury, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in machinery or apparatus for spinning cotton and other fibrous materials." <i>Letters Patent sealed.</i>
BROWN. 13th December 1862.	3337. JOHN BROWN, of 23, Sidney Street, Commercial Road East, in the County of Middlesex, Engineer, for an invention for—"Improvements in hydraulic machinery." <i>Letters Patent sealed.</i>
THOROLD. 13th December 1862.	3338. ERNEST THOROLD, of Lee, in the County of Kent, for an invention for—"Improvements in drill braces, which improvements are also applicable to spanners." <i>Letters Patent sealed.</i>
CORBET. 13th December 1862.	3339. CHARLES CORBET, of 69, Upper Gardiner Street, in the City of Dublin, Esquire, for an invention for—"Improvements in rails for railways and in the mode of forming the joints of the same." <i>Letters Patent sealed.</i>
AITKEN. 13th December 1862.	3340. RUSSEL AITKEN, of Cambridge Street, Pimlico, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in locomotive engines." <i>Provisional protection only.</i>
PETRIE. 13th December 1862.	3341. JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Ironmonger, for an invention for—"Improvements in machinery or apparatus for washing wool and other fibrous materials." <i>Provisional protection only.</i>
THOMPSON. 13th December 1862.	3342. JOSEPH JOHN THOMPSON, of Manchester, in the County of Lancaster, Warehouseman, for an invention for—"Improvements in machinery or apparatus for making pies and for cutting meat for the same." <i>Provisional protection only.</i>
NEWTON. 13th December 1862.	3343. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of and apparatus for repairing the rails, points, switches and other parts of the permanent way of railways."— <i>A communication to him from abroad by William Henry Dunning, of New York City, in the United States of America.</i> <i>Provisional protection only.</i>
HENRY. 13th December 1862.	3344. MICHAEL HENRY, of 84, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in fitting or applying propellers to ships and other vessels."— <i>A communication to him from abroad by Jean Pierre Victor Le Rouge, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
ROBERTS. 15th December 1862.	3345. MARTYN JOHN ROBERTS, of Pendarren House, near Crickhowell, in the County of Brecon, Esquire, for an invention for—"Improvements in means and apparatus for preparing and spinning wool, cotton and other fibrous substances." <i>Letters Patent sealed.</i>

- BESTWICK.**
15th December 1862. **3346.** WILLIAM BESTWICK, of the City of Manchester, in the County of Lancaster, Smallware and Braid Manufacturer, for an invention for—"Improvements in braiding-machines." *Provisional protection only.*
- STANSFIELD.**
DODGEON.
15th December 1862. **3347.** RICHARD STANSFIELD, Iron Founder and Machinist, and JOHN DODGEON, Mechanic, both of Todmorden, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." *Provisional protection only.*
- BUCHANAN.**
15th December 1862. **3348.** GEORGE BUCHANAN, of Bucklersbury, in the City of London, for an invention for—"Improvements in machinery used in crushing sugar canes." *Letters Patent sealed.*
- PHELPS.**
15th December 1862. **3349.** WILLIAM PHELPS, of Nottingham, Manager for Henry Carey, Lace Manufacturer, for an invention for—"Improvements in locks." *Letters Patent sealed.*
- HYAMS.**
15th December 1862. **3350.** MICHAEL HYAMS, of 55, Bath Street, City Road, in the County of Middlesex, Cigar and Pipe Manufacturer, for an invention for—"Improvements in the manufacture of cigars, cheroots and cigarettes, and in the treatment of tobacco." *Provisional protection only.*
- WILSON.**
15th December 1862. **3351.** EDWARD BROWN WILSON, of 5, Parliament Street, in the City of Westminster, Engineer, for an invention for—"Improvements in machinery or apparatus for rolling metals." *Provisional protection only.*
- KIRK.**
15th December 1862. **3352.** ROBERT KIRK, of Glasgow, in the County of Lanark, North Britain, Contractor, for an invention for—"Improvements in machinery or apparatus for checking or stopping the motion of railway carriages." *Provisional protection only.*
- MCINNES.**
PRENTISS.
16th December 1862. **3353.** JOHN MCINNES, of Liverpool, in the County of Lancaster, and ELIJAH FREEMAN PRENTISS, of Birkenhead, in the County of Chester, for an invention for—"Improvements in the distillation and treatment of petroleum and other like oils to obtain products therefrom, and in the apparatus to be used therefor, parts of which can be applied for distilling other liquids." *Letters Patent sealed.*
- VARLEY.**
CROWTHER.
16th December 1862. **3354.** JOHN VARLEY, of Bolton-le-Moors, in the County of Lancaster, Engineer, and JEREMIAH CROWTHER, of Bradford, in the County of York, Carrier, for an invention for—"Certain improvements in steam-engines and apparatus connected therewith." *Letters Patent sealed.*
- WARDEN.**
16th December 1862. **3355.** GEORGE COCKBURN WARDEN, of Islington, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in ornamenting textile fabrics, leather and other surfaces, in a cement employed therein which is also applicable to the waterproofing of fabrics and materials, and in apparatus for applying and spreading such waterproofing cement."—*A communication to him from abroad by Adolph Baldamus, of Berlin, Prussia.* *Provisional protection only.*
- HANCOCK.**
HANCOCK.
16th December 1862. **3356.** JONATHAN SMITH HANCOCK, and SAMUEL HANCOCK, of the Firm of Samuel Hancock and Sons, of Sheffield, in the County of York, Cutlers, for an invention for—"Improvements in 'anti-garotte' knives." *Provisional protection only.*
- DICKIN.**
16th December 1862. **3357.** OSWALD DICKIN, of Middleton, in the County of Lancaster, Gentleman, for an invention for—"An improved table fork." *Provisional protection NOT granted.*
- LEMON.**
16th December 1862. **3358.** JOSEPH JAMES LEMON, of No. 10, New Compton Street, Soho, in the County of Middlesex, Fancy Wood and Ivory Turner, for an invention for—"Improvements in book trays or holders." *Letters Patent sealed.*
- SMEDLEY.**
SMEDLEY.
16th December 1862. **3359.** WILLIAM SMEDLEY, and ABRAHAM SMEDLEY, of the Firm of Messieurs John Smedley and Sons, of the Town and County of the Town of Nottingham, and of Sandiacre, in the County of Derby, Tatting and Lace Manufacturers, for an invention for—"Improvements in machinery or apparatus for the manufacture of textile or looped fabrics on warp lace machines." *Letters Patent sealed.*
- HUDSON.**
MOORE.
CATLOW.
NEWBUREY.
16th December 1862. **3360.** WILLIAM HUDSON, of Burnley, in the County of Lancaster, Gentleman, HENRY MOORE, of the same place, Cotton Spinner, CHRISTOPHER CATLOW, same place, Overlooker, and SAMUEL NEWBUREY, of the same place, for an invention for—"Improvements in looms for weaving and in arms warps therein." *Provisional protection.*

DE WYLDÉ.
17th December 1862.

3375. Vénus DE WYLS, of Great College Street
of Middlesex, for improvement of
vention of
surface
above

LATTER. 17th December 1862.	3376. LEONARD LATTER, of Leigh, near Tunbridge, in the County of Kent, Farmer, for an invention for—"Improvements in ploughs." <i>Letters Patent sealed.</i>
WHEELER. 17th December 1862.	3377. ROBERT WHEELER, of High Wycombe, in the County of Buckingham, Brewer, for an invention for—"Improvements in ploughs." <i>Provisional protection only.</i>
BURTON. 17th December 1862.	3378. HENRY BURTON, of Princes Terrace, Prince of Wales Road, Kentish Town, in the County of Middlesex, for an invention for—"Improvements in castors for furniture and other purposes." <i>Provisional protection only.</i>
HUDDART. 17th December 1862.	3379. GEORGE AUGUSTUS HUDDART, of Brynkir, in the County of Carnarvon, Gentleman, for an invention for—"Improvement in buttons." <i>Letters Patent sealed.</i>
CLARK. 17th December 1862.	3380. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in holders for lamps, candles and other lights."— <i>A communication to him from abroad by Messieurs Louis Gabriel Eugène Isabey, Marine Painter, and Officer of the Legion of Honor, and Anthony Montalba, Proprietor, both of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
LEFFLER. 17th December 1862.	3381. CARL JOHAN LAURENTZ LEFFLER, of Gefle, in the Kingdom of Sweden, for an invention for—"Improvements in constructing armour for ships and fortifications." <i>Provisional protection only.</i>
PRECHT. TÖEPKIN. 18th December 1862.	3382. EDWARD PRECHT, and VICTOR TÖEPKEN, of the City of New York, in the County and State of New York, United States of America, for an invention for—"Making and packing friction matches." <i>Provisional protection NOT granted.</i>
LEPAINTEUR. 18th December 1862.	3383. EDMOND LEPAINTEUR, of Paris, in the Empire of France, Manufacturer for an invention for—"Improvements in the fabrication of a salt for dyeing textile materials." <i>Complete specification; Letters Patent sealed.</i>
CLAYTON. 18th December 1862.	3384. JOHN CLAYTON, of Wolverhampton, in the County of Stafford, Furnace Builder, for an invention for—"Improvements in reverberatory furnaces for heating large masses of iron and steel, and in economising the waste heat of the said furnaces." <i>Letters Patent sealed.</i>
HABEL. SUCKOW. 18th December 1862.	3385. EDWARD HABEL and EDMUND SUCKOW, both of Manchester, in the County of Lancaster, Machinists, for an invention for—"Certain improvements in machinery or apparatus for preparing, spinning and doubling cotton and other fibrous substances." <i>Provisional protection only.</i>
RUSSELL. 18th December 1862.	3386. GEORGE RUSSELL, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in cranes." <i>Provisional protection only.</i>
WILSON. MANNING. 18th December 1862.	3387. WILLIAM VIRGO WILSON, of Jubilee Street, Mile End, in the County of Middlesex, Manufacturing Chemist, and FREDERICK ALFRED MANNING, of Leadenhall Street, in the City of London, Analytical Chemist, for an invention for—"The production of colouring matters." <i>Provisional protection NOT granted.</i>
BRIERLEY. BRIERLEY. 18th December 1862.	3388. JESSE BRIERLEY, and ABRAM BRIERLEY, of Spa Mill, near Huddersfield, in the County of York, Manufacturers, for an invention for—"Improvements in carding-engines." <i>Letters Patent sealed.</i>
PERNOD. 18th December 1862.	3389. JULES PERNOD, of Avignon, in the Empire of France, for an invention for—"A production derived from madders, called 'purpuriné.'" <i>Provisional protection only.</i>
SAVORY. 18th December 1862.	3390. JOHN SAVORY, of the Firm of Savory and Moore, of Bond Street, in the County of Middlesex, for an invention for—"A new or improved apparatus for the inhalation of medicinal powders or vapours for the treatment of diseases of the throat and lungs."— <i>A communication to him from abroad by Dr. John Roberts, resident at Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
LONGLAND. 18th December 1862.	3391. JOSEPH LONGLAND, of Landport, in the County of Hants, for an invention for—"Improvements in street lamps." <i>Letters Patent sealed.</i>
LISTER. 18th December 1862.	3392. SAMUEL CUNLIFFE LISTER, of Manningham, County of York, for an invention for—"Improvements in preparing, combing and spinning flax, silk and other fibrous material." <i>Letters Patent sealed.</i>

NEWTON. 18th December 1862.	3393. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for transmitting power."— <i>A communication to him from abroad by Julius Ferdinand Rochow, of Brooklyn, New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
HOLDEN. 18th December 1862.	3394. ISAAC HOLDEN, of Bradford, in the County of York, Machine Wool Comber, for an invention for—"Improvements in means or apparatus employed in preparing and combing wool and other fibres." <i>Letters Patent sealed.</i>
HOLDEN. 18th December 1862.	3395. ISAAC HOLDEN, of Bradford, in the County of York, Machine Wool Comber, for an invention for—"Improvements in means or apparatus for washing wool and other fibres." <i>Letters Patent sealed.</i>
THUDICHUM. 18th December 1862.	3396. JOHN LOUIS WILLIAM THUDICHUM, of Kensington, in the County of Middlesex, Doctor of Medicine, for an invention for—"Improvements in the preservation of beer and other fermented liquids, and in the apparatus and means to be employed therein." <i>Provisional protection only.</i>
LONGRIDGE. 19th December 1862.	3397. WILLIAM SMITH LONGRIDGE, of Alderwasley Iron Works, Ambergate, in the County of Derby, Engineer, for an invention for—"Improvements in machinery for rolling tyres, hoops and rings." <i>Letters Patent sealed.</i>
WILSON. 19th December 1862.	3398. EDWARD BROWN WILSON, of 5, Parliament Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in machinery or apparatus for forging and pressing metals and other substances." <i>Letters Patent sealed.</i>
DAVIDSON. 19th December 1862.	3399. DAVID DAVIDSON, of Woodcroft, Morningside, near Edinburgh, North Britain, retired Major in the Indian Service, for an invention for—"Improvements in the construction of telescopes, and in the method of arranging and fixing the same in combination with fire-arms for the purpose of adjusting the aim thereof." <i>Letters Patent sealed.</i>
NEWTON. 19th December 1862.	3400. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for attaching metal eyelets to cloth and other materials."— <i>A communication to him from abroad by Charles Edward Howard, of Bridgewater, in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
DALTON. 19th December 1862.	3401. JOSEPH DALTON, of Brooklyn, in the State of New York, United States of America, for an invention for—"Improvements in knitting-machinery." <i>Letters Patent sealed.</i>
MORRISON. 20th December 1862.	3402. JAMES BEALL MORRISON, of East Springfield, Ohio, United States of America, now residing in the City of London, for an invention for—"Improvements in washing-machines."— <i>A communication to him from abroad by the Inventor, John Rickey Morrison, of East Springfield, aforesaid.</i> <i>Letters Patent sealed.</i>
HARVEY. 20th December 1862.	3403. FREDERICK WILLIAM HARVEY, of High Street, Putney, in the County of Surrey, for an invention for—"Improvements in fitting and connecting rudders to ships and other floating vessels." <i>Provisional protection only.</i>
BLAKELY. 20th December 1862.	3404. ALEXANDER THEOPHILUS BLAKELY, of 34, Montpelier Square, in the County of Middlesex, late Captain in the Royal Regiment of Artillery, for an invention for—"Improvements in breech-loading ordnance." <i>Letters Patent sealed.</i>
NETTLETON. 20th December 1862.	3405. JOSHUA NETTLETON, of No. 4, Sloane Square, Chelsea, in the County of Middlesex, for an invention for—"Improvements in stoves." <i>Provisional protection only.</i>
MICHAELIS. RUBINO. 20th December 1862.	3406. JAMES MICHAELIS, and JOSEPH RUBINO, of the Firm of Feis, Michaelis, and Rubino, of 3, Tower Royal, Cannon Street West, in the City of London, Merchants, for an invention for—"Improvements in the construction of locks, catches or fastenings for purses, bags or other receptacles."— <i>A communication to them from abroad by Gustav Luttringhaus, of the Firm of Gustav Luttringhaus and Co., of Mulheim on the Rhine.</i> <i>Provisional protection NOT granted.</i>

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| <p>COWPE.
20th December 1862.</p> | <p>3407. JOHN COWPE, of Mill End, near Newchurch, in the County of Lancaster, Waste Breaker, for an invention for—"Improvements in machinery for tearing, breaking up and reducing rags, ropes, waste fabrics and other similar fibrous materials."
<i>Provisional protection only.</i></p> |
| <p>NEWTON.
20th December 1862.</p> | <p>3408. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of automatic toy figures."—<i>A communication to him from abroad by Enoch Rice Morrison, of New York City, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
| <p>PLATT.
RICHARDSON.
20th December 1862.</p> | <p>3409. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM RICHARDSON, of the same place, Mechanical Engineer, for an invention for—"Improvements in scutchers or beaters of cotton machinery applicable also to other machinery in which shafts are caused to revolve at high velocities."
<i>Letters Patent sealed.</i></p> |
| <p>PERKINS.
20th December 1862.</p> | <p>3410. WILLIAM PERKINS, of Churchfield House, Margate, in the County of Kent, Consulting Chemist, for an invention for—"Improvements in the manufacture of a substitute for turpentine, which is also applicable to the manufacture of varnishes, and to purposes to which turpentine is now ordinarily applied."
<i>Provisional protection only.</i></p> |
| <p>BAKEWELL.
22nd December 1862.</p> | <p>3411. FREDERICK COLLIER BAKEWELL, of No. 6, Haverstock Terrace, Hampstead, in the County of Middlesex, for an invention for—"Improvements in transmitting and receiving communications by means of electricity."
<i>Letters Patent sealed.</i></p> |
| <p>MCLEAN.
22nd December 1862.</p> | <p>3412. JOHN MCLEAN, of Broxburn, in the County of [Linlithgow, North Britain, Manufacturing Chemist, for an invention for—"Improved apparatus or arrangements for obtaining oil and other products from shale and the like bituminous minerals."
<i>Provisional protection only.</i></p> |
| <p>FRANCIS.
22nd December 1862.</p> | <p>3413. WILLIAM FRANCIS, of Burslem, in the County of Stafford, Grocer, for an invention for—"Improved apparatus for cutting soap." <i>Provisional protection only.</i></p> |
| <p>STOCKER.
22nd December 1862.</p> | <p>3414. ALEXANDER SOUTHWOOD STOCKER, of Wolverhampton, in the County of Stafford, Manufacturer, for an invention for—"Improvements in rolling iron for the manufacture of tips and other articles."
<i>Letters Patent sealed.</i></p> |
| <p>GÉRARD.
22nd December 1862.</p> | <p>3415. GUSTAVE EUGÈNE MICHEL GÉRARD, of Paris, in the Empire of France, Manufacturer, for an invention for—"Improvements in the fabrication of threads from vulcanized india-rubber and the apparatus connected therewith."
<i>Complete specification; Letters Patent sealed.</i></p> |
| <p>DANN.
22nd December 1862.</p> | <p>3416. EDWARD ROBERT DANN, of Nottingham, Manufacturer, for an invention for—"Improvements in goffering apparatus."
<i>Letters Patent sealed.</i></p> |
| <p>BROOMAN.
22nd December 1862.</p> | <p>3417. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in stoves or apparatus for heating and drying."—<i>A communication to him from abroad by Etienne Sauret, of Remiremont, and Eugene De Fleury, of Rolanges, both in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> |
| <p>CLARK.
22nd December 1862.</p> | <p>3418. MATTHEW CLARK, of Glasgow, Turkey Red Dyer, for an invention for—"Improvements in treating waste liquors obtained when dyeing Turkey red colours."
<i>Letters Patent sealed.</i></p> |
| <p>DALHOFF.
22nd December 1862.</p> | <p>3419. JÓRGEN BALTHAZAR DALHOFF, of Copenhagen, in the Kingdom of Denmark, Goldsmith, for an invention for—"Improvements in cutting files and in machinery to be employed for that purpose."
<i>Letters Patent sealed.</i></p> |
| <p>FARRAR.
22nd December 1862.</p> | <p>3420. CHARLES FARRAR, of John Street, Horselydown, in the County of Surrey, Chemist, for an invention for—"Improvements in machinery or apparatus to be employed in treating certain fibrous materials."
<i>Provisional protection only.</i></p> |
| <p>PIEPER.
23rd December 1862.</p> | <p>3421. CHARLES PIEPER, Engineer, 10, Alma Place, West-Gorton, near Manchester, in the County of Lancaster, for an invention for—"A new improved governor for steam-engines, turbines, water-wheels and other machinery with valvular arrangements, to regulate the speed of the same."
<i>Provisional protection only.</i></p> |

PARKER. 23rd December 1862.	3422. FREDERICK PARKER, of the Town and County of Cambridge, Carriage Builder, for an invention for—"Improvements in carriages." <i>Complete specification; Letters Patent sealed.</i>
BROOMAN. 23rd December 1862.	3423. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"A new or improved colouring matter or dye."— <i>A communication to him from abroad by Pierre Chalamal, of Puteaux, France.</i> <i>Provisional protection only.</i>
COLLETTE. 23rd December 1862.	3424. CELESTINE ADRIENNE FONTAINE COLLETTE, of Giberville, near Caen, Department of Calvados, in the Empire of France, Lace Manufacturer, for an invention for—"A new kind of lace." <i>Provisional protection only.</i>
PATTERSON. 23rd December 1862.	3425. JOHN PATTERSON, of Beverley, in the County of York, Engineer, for an invention for—"Improvements in machinery or apparatus for grinding, crushing, cutting, cleaning and hulling or shelling various kinds of farm or vegetable produce, also applicable to the crushing or grinding of minerals and other substances." <i>Provisional protection only.</i>
WILSON. 23rd December 1862.	3426. EDWARD BROWN WILSON, of Parliament Street, in the City of Westminster, Engineer, for an invention for—"Improvements in apparatus to be employed in the manufacture of malleable iron and steel." <i>Provisional protection only.</i>
HASELTINE. 23rd December 1862.	3427. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the mode of and apparatus for converting petroleum or coal oil into gas for lighting and heating, the said improvements being especially applicable to lamps and stoves."— <i>A communication to him from abroad by James Rhodes, of Cincinnati, Ohio, United States.</i> <i>Letters Patent sealed.</i>
WHITLEY. BURTON. 23rd December 1862.	3428. JOSEPH WHITLEY, and JOHN WATSON BURTON, both of Leeds, in the County of York, for an invention for—"Improvements in the construction of the permanent way of railways, which improvements are also applicable to railway wheels." <i>Letters Patent sealed.</i>
RUSSELL. 23rd December 1862.	3429. SAMUEL RUSSELL, of 27, Shaftesbury Crescent, Pimlico, in the County of Middlesex, for an invention for—"Improvements in stereoscopes." <i>Letters Patent sealed.</i>
HINDE. 24th December 1862.	3430. THOMAS CALLENDER HINDE, of Cardiff, in the County of Glamorgan, Iron Master, for an invention for—"Improvements in furnaces or apparatus for generating carbonic oxide." <i>Letters Patent sealed.</i>
HASLAM. EATOUGH. 24th December 1862.	3431. SAMUEL HASLAM, of Bolton, in the County of Lancaster, Warper, and ALFRED EATOUGH, of the same place, Carder, for an invention for—"Improvements in machinery or apparatus for preparing cotton or other fibrous materials to be spun." <i>Provisional protection only.</i>
BIRKBECK. 24th December 1862.	3432. GEORGE HENRY BIRKBECK, of the Firm of Tongue & Birkbeck, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agents and Engineers, for an invention for—"Improvements in instruments for surveying and levelling."— <i>A communication to him from abroad by Monsieur Germain Auguste Leroyer, Principal of the Institute of Vincennes, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BROADBENT. ROBINSON. 24th December 1862.	3433. JOHN BROADBENT, of the City of Manchester, and JOSEPH ROBINSON, of Latchford, Warrington, in the County of Chester, Cotton Spinners, for an invention for—"Improvements in machinery for opening and cleaning cotton and other fibrous materials." <i>Provisional protection only.</i>
GISBORNE. 24th December 1862.	3434. FREDERIC NEWTON GISBORNE, of No. 3, Adelaide Place, London Bridge, in the City of London, Engineer and Electrician, for an invention for—"Improvements in the means for indicating the speed of ships at sea." <i>Provisional protection only.</i>
TRONCHON. 24th December 1862.	3435. ALFRED PIERRE TRONCHON, of 2, Rue Sainte Appoline, Paris, Empire of France, and [of 4, South Street, Finsbury, London, for an invention for—"Some improvements in the construction of fire-arms." <i>Letters Patent sealed.</i>

SMITH. 24th December 1862.	3436. JAMES SUTCLIFFE SMITH, of Britannia, near Bacup, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in looms for weaving." <i>Provisional protection NOT granted.</i>
GALLOWAY. 24th December 1862.	3437. WILLIAM CHARLES GALLOWAY, of Glasgow, in the County of Lanark, North Britain, Pianoforte Teacher, for an invention for—"Improvements in pianofortes." <i>Provisional protection only.</i>
HENDERSON. 24th December 1862.	3438. WILLIAM HENDERSON, of St. Rollox, in the City of Glasgow, Chemist, for an invention for—"Improvements in obtaining iron and steel from certain ores and residual products." <i>Letters Patent sealed.</i>
CLARK. 24th December 1862.	3439. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means of applying heat to the feet in boots, shoes and otherwise, part of which improvements is applicable to other heating purposes."— <i>A communication to him from abroad by Jean Marie Bibet, Emile Léger, and Antoine Faury, all of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
TWELVETREES. 24th December 1862.	3440. HARPER TWELVETREES, of Bromley, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in washing-machines." <i>Provisional protection only.</i>
FAIRLESS. 24th December 1862.	3441. JOHN FAIRLESS, of Forth Banks, Newcastle-upon-Tyne, in the County of Northumberland, Machine Broker, for an invention for—"Improvements in apparatus or machinery for milking cows." <i>Provisional protection only.</i>
LAKIN. WAIN. 24th December 1862.	3442. ROBERT LAKIN, of Ardwick, in the City of Manchester, in the County of Lancaster, Machinist, and JOHN WAIN, of the said City of Manchester, Mechanic, for an invention for—"Improvements in machines for spinning and for doubling cotton and other fibrous materials." <i>Letters Patent sealed.</i>
STEVENS. 24th December 1862.	3443. EBENEZER STEVENS, of No. 139, Cheapside, in the City of London, for an invention for—"Improvements in machinery for preparing dough and paste suitable for making bread, biscuits, pastry, cakes and similar articles." <i>Letters Patent sealed.</i>
TAYLOR. 24th December 1862.	3444. JAMES TAYLOR, of the Firm Taylor, Lang & Co., of "Castle Iron Works," Stalybridge, in the County of Chester, for an invention for—"Improvements in engines for carding cotton and other fibrous materials." <i>Letters Patent sealed.</i>
LORD. LORD. 24th December 1862.	3445. JAMES LORD, and WILLIAM LORD, of the Firm of James and William Lord & Sons, of "Rose Hill Iron Works," Bolton, in the County of Lancaster, for an invention for—"Improvements in machinery for fluting rollers used for preparing, spinning and doubling fibrous materials." <i>Letters Patent sealed.</i>
JOHNSON. 24th December 1862.	3446. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in apparatus for stamping or marking paper and other materials."— <i>A communication to him from abroad by Henri Bouquet, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
HOPE. 24th December 1862.	3447. DAVID GRAHAM HOPE, of Grays, in the County of Essex, Civil Engineer, for an invention for—"Improved machinery for obtaining and applying motive-power." <i>Provisional protection only.</i>
NEWTON. 24th December 1862.	3448. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of skate."— <i>A communication to him from abroad by William Henry Dutton, of Utica, in the State of New York, United States of America.</i> <i>Provisional protection only.</i>
PLATT. RICHARDSON. 24th December 1862.	3449. JOHN PLATT, of Oldham, in the County of Lancaster, Mechanical Engineer, and WILLIAM RICHARDSON, of the same place, Mechanical Engineer, for an invention for—"Improvements in machinery or apparatus for disintegrating or pulverizing artificial manures, chemical salts and other substances." <i>Provisional protection NOT granted.</i>
DENTON. 24th December 1862.	3450. CHARLES JONES DENTON, of New Broad Street, in the City of London, Merchant, for an invention for—"An improvement in the process of revivifying animal charcoal." <i>Provisional protection only.</i>

KNOX. 24th December 1862.	3451. ROBERT KNOX, of Swinton Street, Gray's Inn Road, in the County of Middlesex, for an invention for—"Improvements in the manufacture of metallic pens." <i>Provisional protection only.</i>
CLARK. 26th December 1862.	3452. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in fire-arms."— <i>A communication to him from abroad by Philippe Antoine Mathieu, Proprietor, and Jules Félix Gévelot, Manufacturer, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
VARLEY. 26th December 1862.	3453. CROMWELL FLEETWOOD VARLEY, of Fortess Terrace, in the County of Middlesex, Electrician, for an invention for—"Improvements in electric telegraphs." <i>Letters Patent sealed.</i>
LOSEBY. 26th December 1862.	3454. EDWARD THOMAS LOSEBY, of 124, Wood Street, Cheapside, in the City of London, and also of Leicester, in the County of Leicester, Horologist, for an invention for—"Improvements in the construction of instruments for ascertaining the pressure and the moving force of the atmosphere." <i>Letters Patent sealed.</i>
SWAINSON. 26th December 1862.	3455. JOHN SWAINSON, the younger, of Newton Stewart, in the County of Wigton, North Britain, Wood Agent, for an invention for—"Improvements in the manufacture of pill boxes and similar boxes from solid wood, and in machinery to be employed in the said manufacture." <i>Letters Patent sealed.</i>
SAMSON. 27th December 1862.	3456. WILLIAM HENRY SAMSON, of Underhill, Wittersham, in the County of Kent, for an invention for—"Improvements in certain machinery for cultivating land by steam power." <i>Provisional protection only.</i>
COURTOIS. 27th December 1862.	3457. MARIE FRANCOIS ALEXANDRE COURTOIS, of Paris, France, Gentleman, for an invention for—"Improvements in wax or other candles and torches." <i>Provisional protection only.</i>
FREEMANTLE. FREEMANTLE. 27th December 1862.	3458. JOHN FREEMANTLE, and SAMUEL FREEMANTLE, both of Gosberton, in the County of Lincoln, for an invention for—"Improvements in apparatus for propelling vessels." <i>Provisional protection only.</i>
PETRIE. 27th December 1862.	3459. JAMES PETRIE, of Rochdale, in the County of Lancaster, Engineer, for an invention for—"Improvements in slide valves for steam-engines." <i>Letters Patent sealed.</i>
KER. 29th December 1862.	3460. MATTHEW KER, of No. 14, Camden Street, Saint Pancras, Middlesex, for an invention for—"An improvement in wardrobes or other pieces of furniture or fittings with glass silvered doors or panels used for toilet purposes." <i>Letters Patent sealed.</i>
TAYLOR. 29th December 1862.	3461. JOHN GEORGE TAYLOR, residing in Paris, in the Empire of France, Merchant, for an invention for—"Improvements in dress fastenings and in the ornamenting thereof." <i>Letters Patent sealed.</i>
RIDDELL. 29th December 1862.	3462. JOSEPH HADLEY RIDDELL, of 155, Cheapside, in the City of London, Hot Water Engineer, for an invention for—"Improvements in cast metal or other pipes or tubes for conveying gases, fluids or vapours, and in the mode of connecting such pipes or tubes." <i>Letters Patent sealed.</i>
RIDDELL. 29th December 1862.	3463. JOSEPH HADLEY RIDDELL, of 155, Cheapside, in the City of London, Stove and Boiler Manufacturer, for an invention for—"Improvements in stoves." <i>Letters Patent sealed.</i>
SLEIGH. 29th December 1862.	3464. ADDERLEY WILLCOCKS SLEIGH, Knight of the Ancient and Most Noble Order of the Tower and Sword, Captain late R. N. and in H. M. Military Transport Corps, of 73, Harley Street, Cavendish Square, London, now residing at 16, Rue de Chateaubriand Champs Elysees, Paris, France, for an invention for—"An improved method of rendering or making ships and vessels and floating and shore batteries or ambulant or stationary defences impenetrable to shot and shell and to other missiles and projectiles and war rams." <i>Provisional protection only.</i>
TOLHAUSEN. 29th December 1862.	3465. FREDERICK TOLHAUSEN, of 17, Rue Faubourg Montmartre, Paris, Patent Agent, for an invention for—"The use of petroleum or coal oil as fuel, and also for the machinery and apparatus to be employed for this purpose."— <i>A communication from Edward John Biddle, a person now resident at Paris, 17, Faubourg Montmartre.</i> <i>Letters Patent sealed.</i>

HASELTINE. 29th December 1862.	3466. GEORGE HASELTINE, of the "International Patent Office," No. 12, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in cartridges and in the mode of charging small arms and ordnance."— <i>A communication to him from abroad by John Winfield Bailey, of Aurora, in the County of Dearborn, State of Indiana, United States of America.</i> <i>Provisional protection only.</i>
WILSON. 29th December 1862.	3467. CHARLES EDMUND WILSON, of Monkwell Street, in the City of London, Manufacturer, for an invention for—"Improvements in articles of wearing apparel for the neck." <i>Provisional protection only.</i>
NEWTON. 29th December 1862.	3468. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in preserving organic substances from decay."— <i>A communication to him from abroad by Leonard Laureau, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
BILLINGHURST. REQUA. 29th December 1862.	3469. WILLIAM BILLINGHURST, and JOSEPHUS REQUA, of Rochester, in the State of New York, United States of America, for an invention for—"An improved portable battery." <i>Letters Patent sealed.</i>
JOHNSTON. 30th December 1862.	3470. JOHN JOHNSTON, of Pinstone Street, Sheffield, in the County of York, Plumber and Glazier, for an invention for—"An improved surface refrigerator." <i>Letters Patent sealed.</i>
ROBSON. 30th December 1862.	3471. JAMES ROBSON, junior, of South Shields, in the County of Durham, for an invention for—"Improvements in ornamental fillings for domestic stove grates." <i>Provisional protection only.</i>
JOHNSON. 30th December 1862.	3472. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in ingot moulds employed in the casting of steel and other metals."— <i>A communication to him from abroad by Hippolyte Ulysse Petin and Jean Marie Gaudet, of the Firm of Petin, Gaudet and Company, of Rive de Gier, in the Empire of France, Iron Masters.</i> <i>Letters Patent sealed.</i>
BONNEVILLE. 30th December 1862.	3473. HENRI ADRIEN BONNEVILLE, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"Improvements in the manufacture of saddles."— <i>A communication from Laurent Cogent, Manufacturer, a person residing at 127, Rue Lafayette, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
ANDERSON. 30th December 1862.	3474. FREDERICK BONAPARTE ANDERSON, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in watches and other time-keepers." <i>Letters Patent sealed.</i>
BOWSER. BOWSER. 30th December 1862.	3475. WILLIAM BOWSER, Engineer, and HOWARD BOWSER, Ironfounder, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in coating or protecting iron or steel with another metal." <i>Letters Patent sealed.</i>
MOULD. 30th December 1862.	3476. WILLIAM MOULD, of Belmont, near Bolton, in the County of Lancaster, Dresser, for an invention for—"Certain improvements in machinery or apparatus for plaiting or folding and measuring fabrics." <i>Letters Patent sealed.</i>
CARTER. 30th December 1862.	3477. JOHN EDWARD CARTER, of No. 3, Brownlow Mews, Gray's Inn Lane, in the County of Middlesex, for an invention for—"Improvements in chimney tops." <i>Letters Patent sealed.</i>
RICHARDS. 30th December 1862.	3478. WESTLEY RICHARDS, of Birmingham, in the County of Warwick, for an invention for—"Improvements in cannon and other fire-arms and in apparatus connected therewith." <i>Letters Patent sealed.</i>
CLARK. 30th December 1862.	3479. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in governing-apparatus."— <i>A communication to him from abroad by Mr. Léon Foucault, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
BESLAY. 30th December 1862.	3480. CHARLES BESLAY, of No. 11, Rue Ménilmontant, in the City of Paris, in the Empire of France, Civil Engineer, for an invention for—"Improvements in steam-engines." <i>Provisional protection only.</i>

PATENTS APPLIED FOR AND PATENTS GRANTED.

BOTTOMLEY. 31st December 1862.	3481. REUBEN BOTTOMLEY, of Rochdale, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in machinery for twisting and doubling yarns or threads of cotton and other fibrous materials." <i>Letters Patent sealed.</i>
ADAMS. 31st December 1862.	3482. WILLIAM BRIDGES ADAMS, of Holly Mount, Hampstead, in the County of Middlesex, Engineer, for an invention for—"Improvements in railways and tramways." <i>Letters Patent sealed.</i>
APPLEGATE. 31st December 1862.	3483. FRANK APPLEGATE, of Bradford-on-Avon, in the County of Wilts, Cloth Manufacturer, for an invention for—"Improvements in the manufacture of a kind of woollen cloth, known to the trade as deerskin." <i>Complete specification ; Letters Patent sealed.</i>
SMITH. HARDMAN. 31st December 1862.	3484. JAMES SUTCLIFFE SMITH, of Britannia, near Bacup, in the County of Lancaster, Manufacturer, and JOSEPH HARDMAN, of the same place, Overlooker, for an invention for—"Certain improvements in power looms for weaving." <i>Provisional protection only.</i>
FIELD. 31st December 1862.	3485. JOHN WILLIAM PARKER FIELD, of 233, High Holborn, in the County of Middlesex, Gunmaker, for an invention for—"Improvement in breech-loading fire-arms." <i>Letters Patent sealed.</i>
CLARK. 31st December 1862.	3486. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the arrangement of the parts of railway trains and in the application of power for their propulsion."— <i>A communication to him from abroad by Jean Jacques Meyer and Adolphe Meyer, Engineers, both of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
NAPIER. 31st December 1862.	3487. JAMES MURDOCH NAPIER, of the York Road, Lambeth, in the County of Surrey, for an invention for—"Improvements in heating-apparatus." <i>Provisional protection only.</i>
JAQUES. 31st December 1862.	3488. FRANK JAQUES, of Nelson Terrace, Stoke Newington, in the County of Middlesex, Gentleman, for an invention for—"Improvements in cases for pipes, mouth pieces, cigars and other analogous articles." <i>Provisional protection only.</i>
LORET. 31st December 1862.	3489. FRANCIS LORET, of Mechlin, in the Kingdom of Belgium, Mechanical Engineer, for an invention for—"Improvements in constructing double weft forks applicable to every description of power-looms." <i>Letters Patent sealed.</i>
MALTBY. 31st December 1862.	3490. WILLIAM MALTBY, of De Crespigny Park, Camberwell, in the County of Surrey, Gentleman, for an invention for—"Improved means of extinguishing fires by the use of substances not hitherto so applied." <i>Provisional protection only.</i>

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